

## 2.4 GHz ISM Enclosed Yagi Antenna Series

The MYP directional yagis can be used as bridge antennas between two networks or for point-to-point communications. They are 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. All models feature a robust mounting structure for consistent performance regardless of weather conditions.

### General Specifications:

2.4 GHz ISM enclosed yagi antenna series

### Polarization:

Vertical or horizontal, linear (user adjustable)

### Nominal Impedance:

50 Ohms

### Mounting Method:

Heavy duty yagi mounting bracket (included) permits mast mounting on masts up to 2" O.D.  
MYK18 adjustable wall/pipe mount allows 180° (included angle) azimuth and elevation adjustment (sold separately.)  
Stacking harnesses available to stack two yagis (sold separately.)

### Termination:

N, female is standard  
Consult factory for other connector options

### 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.
- Optional, articulating mount. Allows precise adjustment of the antenna both vertically and horizontally.
- All antennas include 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 thus 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.



The MYP24015PT (above) provides 15 dBi of gain and covers frequencies between 2400 and 2485 MHz. A broadband version (model MYPB24015PT) covering frequencies from 2400 - 2686 MHz is also available.

The MYP24010PT (below) provides 10 dBi gain and 23 dB front-to-back in a very compact radome.



The MYK18 adjustable azimuth and elevation mounting bracket is optional with all yagis in this series.



# Specifications

## Electrical Specifications

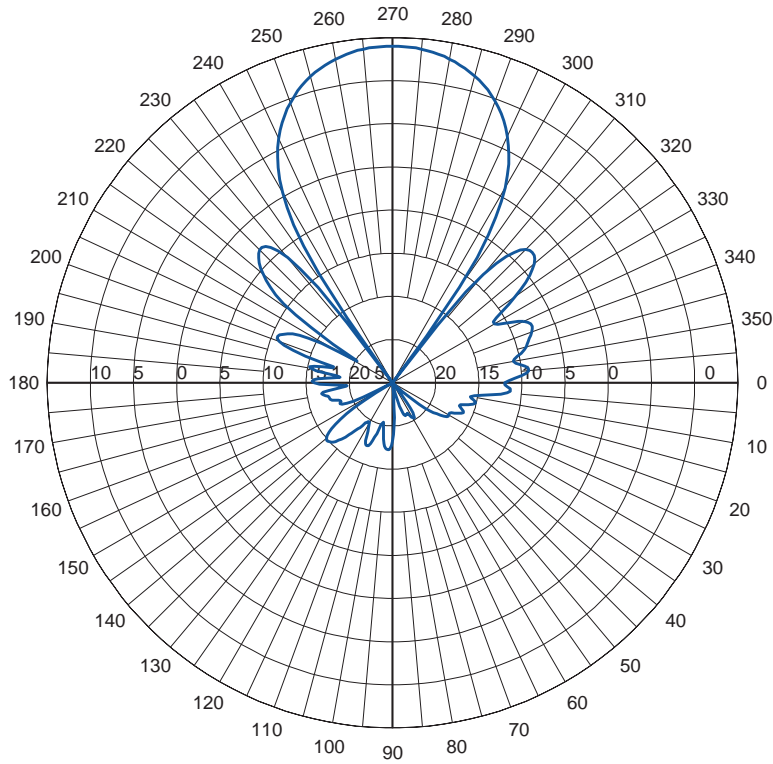
Model #	Frequency Range	VSWR	Front-to-Back Ratio	Nominal Gain	Vertical Beamwidth @ 1/2 Power	Horizontal Beamwidth @ 1/2 Power	Maximum Power
MYP24010PT	2400-2485 MHz	< 1.5:1	23 dB	10 dBi	55°	55°	5 Watts
MYP24014PT	2400-2485 MHz	< 1.5:1	30 dB	14 dBi	30°	30°	5 Watts
MYP24015PT	2400-2485 MHz	< 1.5:1	30 dB	15 dBi	30°	30°	5 Watts
MYPB24015PT	2400-2686 MHz	< 1.5:1	30 dB	15 dBi	30°	30°	5 Watts

## Mechanical Specifications

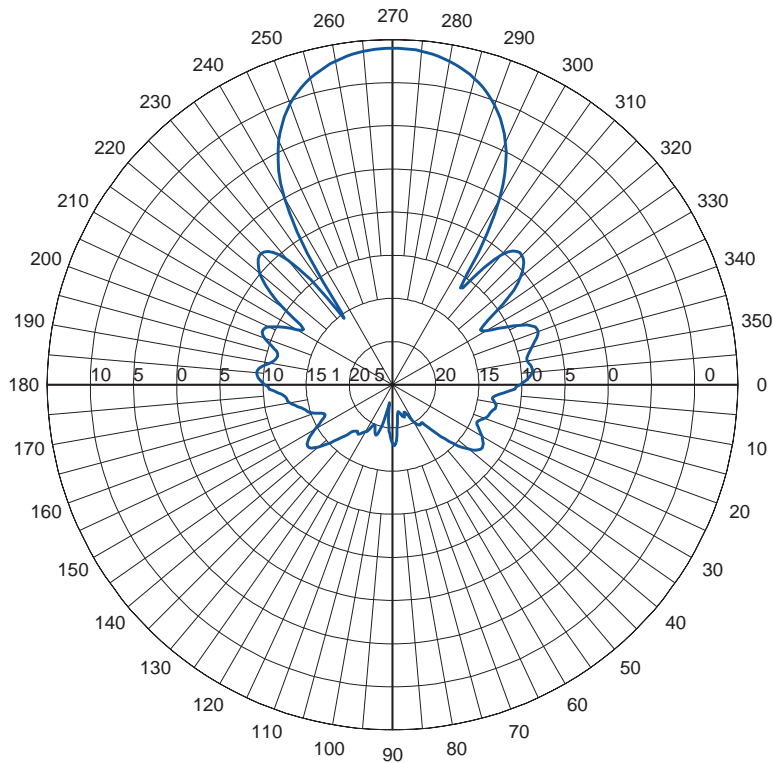
Model #	Wind Survival	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Cable	Length	Weight
MYP24010PT	125 mph	5.8 lbs	0.060 ft <sup>2</sup>	3' (914.4 mm) coax	4.5" L x 3" OD (114 mm L x 76 mm OD)	1 lb (0.5 kg)
MYP24014PT	125 mph	18.3 lbs	0.20 ft <sup>2</sup>	36" (914 mm) coax	14" x 3" OD (356 mm L x 76 mm OD)	1 lb (0.5 kg)
MYP24015PT	125 mph	18.3 lbs	0.20 ft <sup>2</sup>	18" (457 mm) coax	14" x 3" OD (356 mm L x 76 mm OD)	1 lb (0.5 kg)
MYPB24015PT	125 mph	18.3 lbs	0.20 ft <sup>2</sup>	12" (305 mm) LMR195	14" x 3" OD (356 mm L x 76 mm OD)	1 lb (0.5 kg)

## Accessories

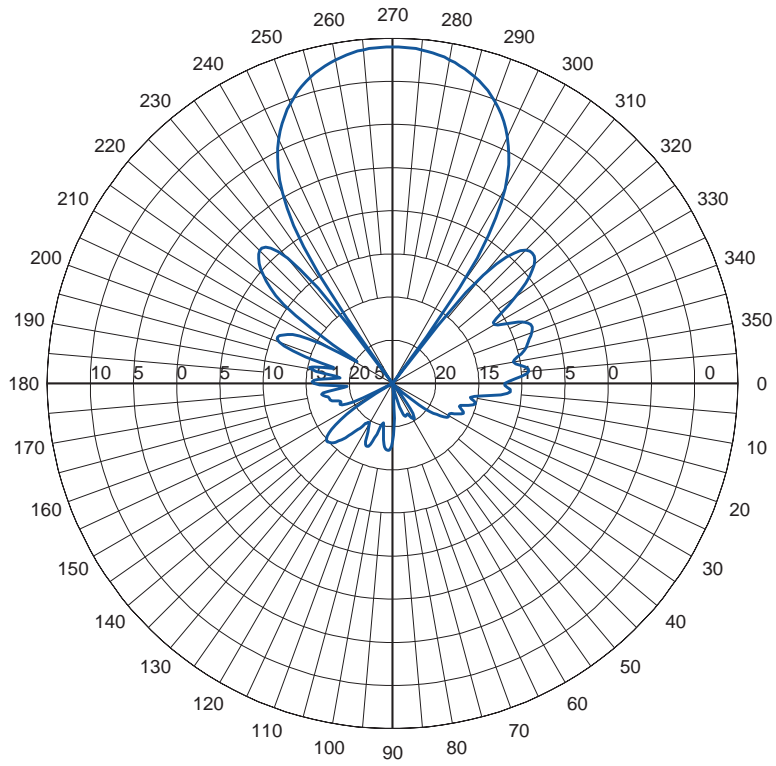
Model #	Description
MSK2450MN	Stacking harness for two 2.4 GHz MYP directional yagis. N male connector.
MSK2450MSMA	Stacking harness for two 2.4 GHz MYP directional yagis. Male SMA connector.



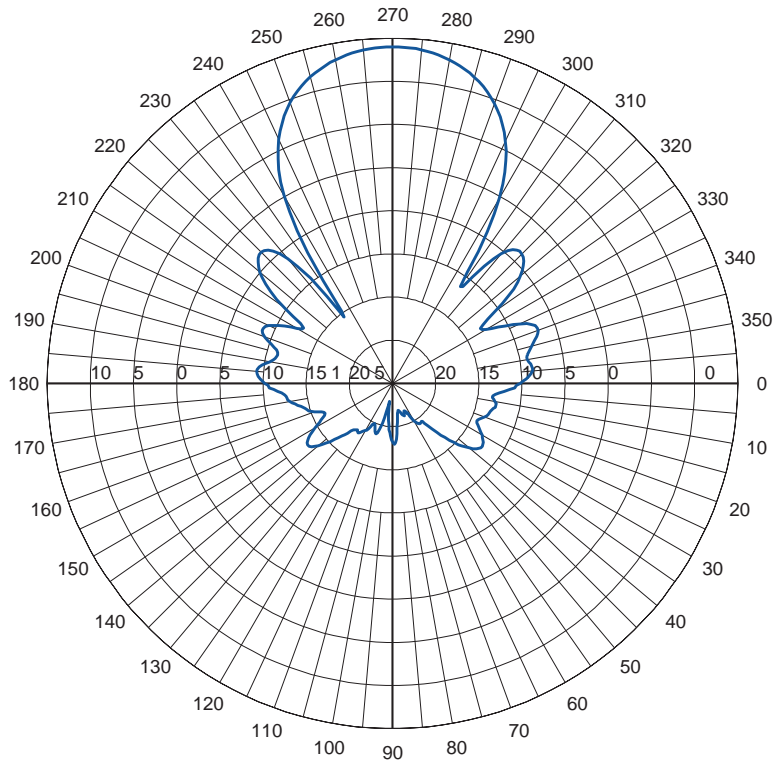
MYP24015PT Elevation Cut



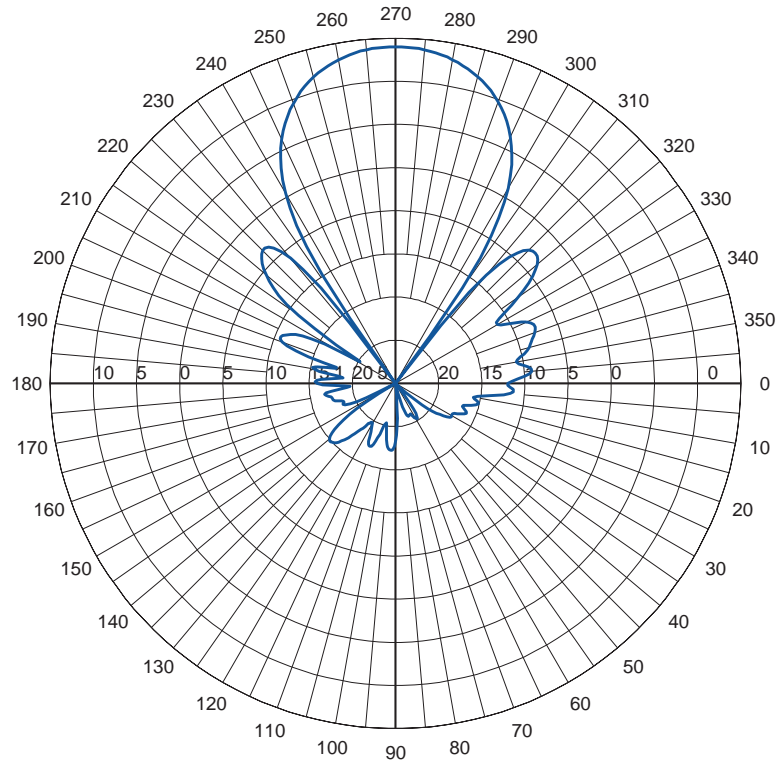
MYP24015PT Azimuth Cut



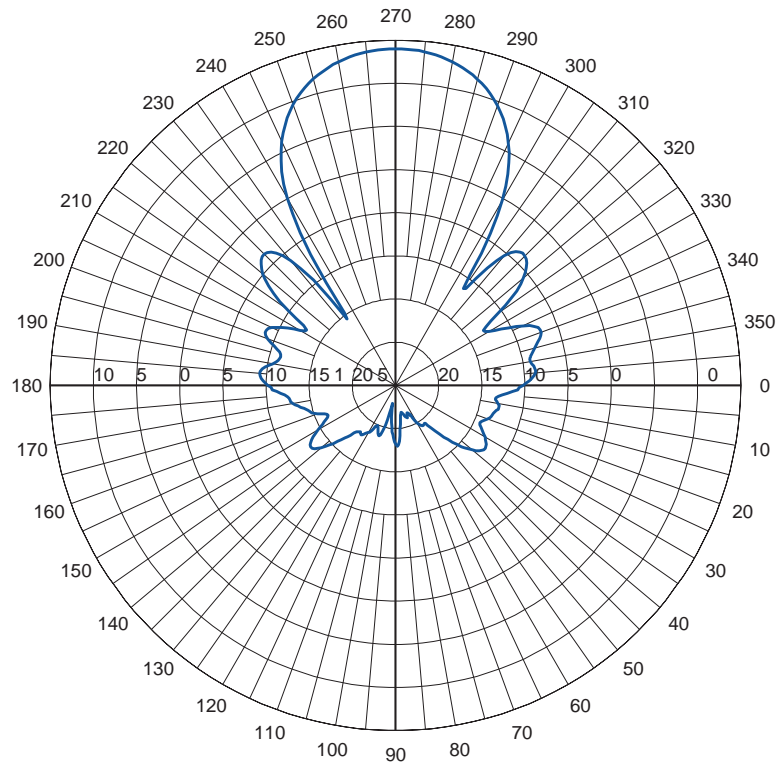
**MYPB24015PT Elevation Cut**



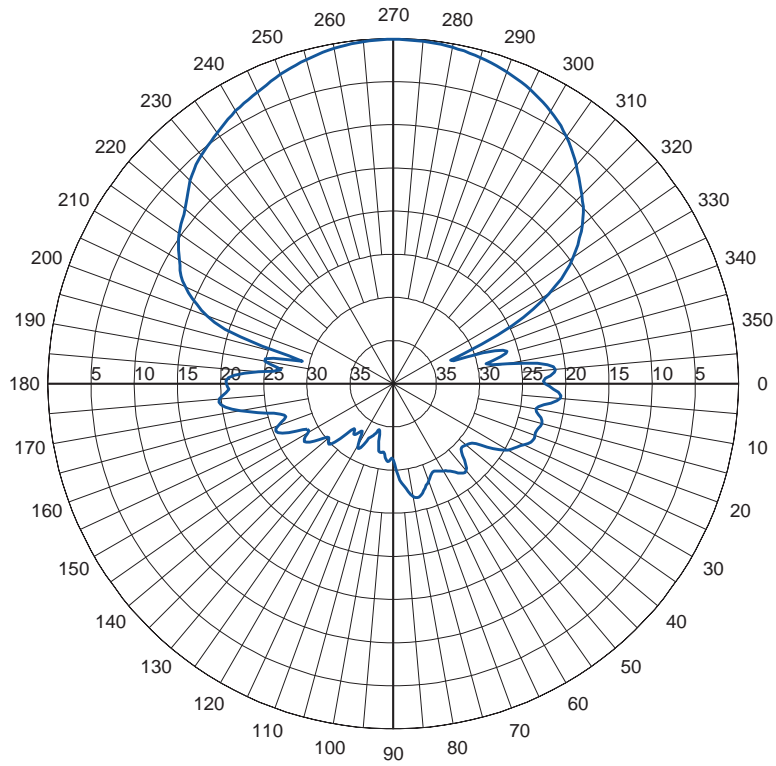
**MYPB24015PT Azimuth Cut**



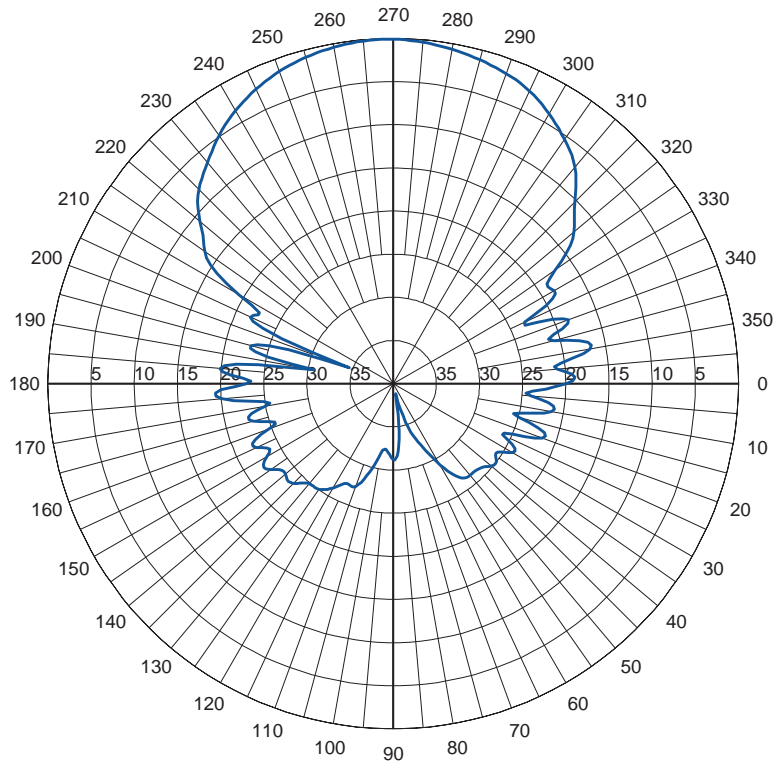
MYP24014PT Elevation Cut



MYP24014PT Azimuth Cut



**MYP24010PT Elevation Cut**



**MYP24010PT Azimuth Cut**