

## Z2080 2.4 GHz ISM Enclosed Yagi Antenna

The Z2080 enclosed yagi can be used as a bridge antenna between two networks or for point-to-point communications. It is field adjustable for vertical or horizontal polarization with a matched principal plane beamwidth for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. It features a robust mounting structure for consistent performance regardless of weather conditions.

### General Specifications:

2.4 GHz ISM enclosed yagi antenna

### 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.

### Termination:

Reverse polarity N female jack



### Features and Benefits

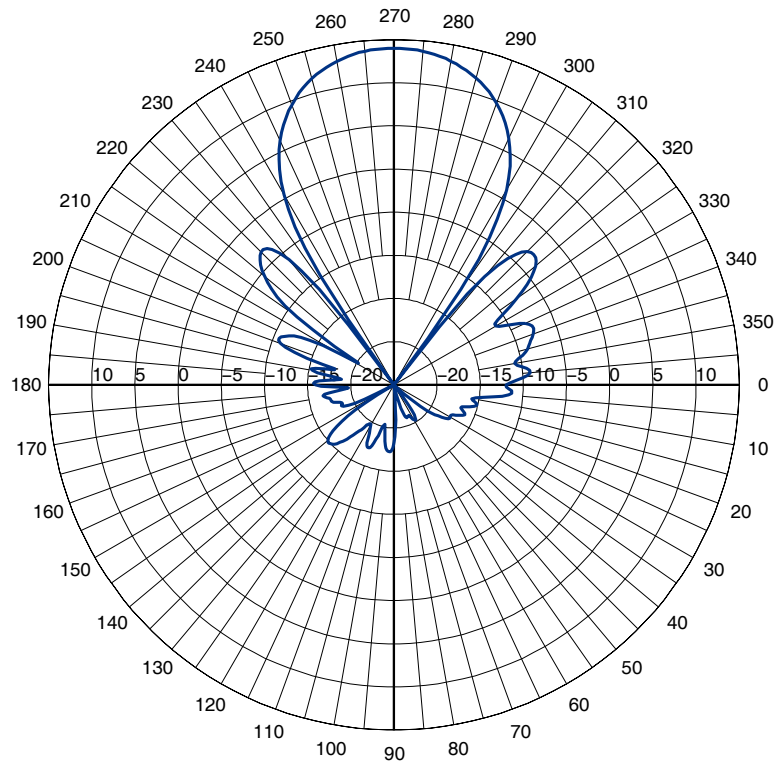
- Field adjustable to allow vertical or horizontal polarity, eliminating co-channel interference from neighboring radiators. Polarity markings molded on the antenna ensure installation in the correct orientation.
- Robust mast mount bracket designed to withstand 125 mph wind.
- Matched principal plane 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.

### Electrical Specifications

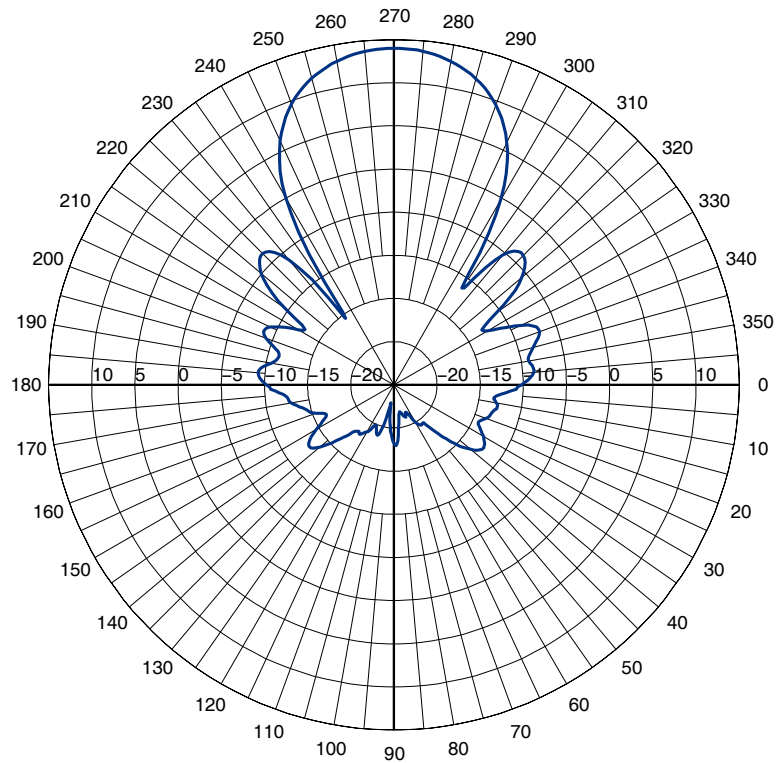
Model #	Frequency Range	VSWR	Front-to-Back Ratio	Nominal Gain	Vertical Beamwidth @ 1/2 Power	Horizontal Beamwidth @ 1/2 Power	Maximum Power
Z2080	2400-2485 MHz	< 1.5:1	30 dB	15 dBi	30°	30 0176	5 Watts

### Mechanical Specifications

Model #	Wind Survival	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Cable	Length	Weight
Z2080	125 mph	18.3 lbs	0.20 ft <sup>2</sup>	18" (457 mm) coax	14" x 3" OD (356mm L x 76mm OD)	1 lbs (0.5 kg)



**Z2080 Elevation Cut**



**Z2080 Azimuth Cut**