

## Technical Specification

### 2400/2500 MHz

Y442416  
YAGI ANTENNA

**High Performance:** This 16 element yagi provides 14.5dBi / 12.5dBd gain.

**Rugged and weatherproof:** Our radome construction provides excellent weather protection for our solid element U channel yagi antennas. The radome is constructed of UV inhibited ABS. The heavy duty mounting plate is extruded aluminum. Stainless steel V bolts are provided for long term reliability and resistance to corrosion.

**Lightweight and Durable:** This yagi antenna is easily installed by one person, yet is designed to withstand 125 MPH winds.

#### Termination Options:

**Type A:** 12" (30cm) Teflon pigtail with N connector.



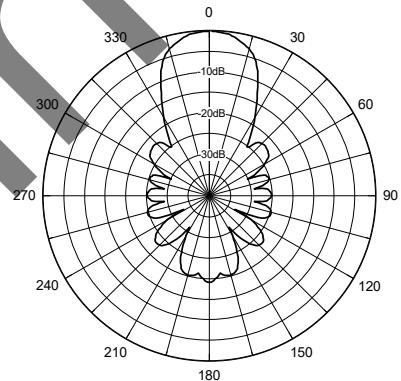
## MECHANICAL SPECIFICATIONS

<b>MATERIAL:</b>	1/2" (1.27cm) aluminum U channel boom 3/16" solid elements
<b>RADOME:</b>	3" (7.6cm) UV inhibited ABS
<b>LENGTH:</b>	18" (46cm)
<b>WEIGHT:</b>	2 lb. (907g)
<b>MOUNTING:</b>	2 1/2" (6.35cm) mast maximum
<b>FLAT PLATE AREA:</b>	.26 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH (201kph)
<b>WIND LOAD:</b>	17.6 lbs. (7.9kg)

## ELECTRICAL SPECIFICATIONS

<b>GAIN:</b>	14.5dBi / 12.5dBd
<b>FREQUENCY:</b>	2400-2500MHz
<b>F to B RATIO:</b>	20dB
<b>BANDWIDTH:</b>	>100MHz
<b>VSWR:</b>	1.5:1
<b>POWER RATING:</b>	150 watts
<b>IMPEDANCE:</b>	50 ohms

Horizontal Pattern



Vertical Pattern

