

## 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

**MATERIAL:** 1/2" (1.27cm) aluminum U channel boom  
3/16" solid elements

**RADOME:** 3" (7.6cm) UV inhibited ABS

**LENGTH:** 18" (46cm)

**WEIGHT:** 2 lb. (907g)

**MOUNTING:** 2 1/2" (6.35cm) mast maximum

**FLAT PLATE AREA:** .26 ft<sup>2</sup>

**WIND RATING:** 125 MPH (201kph)

**WIND LOAD:** 17.6 lbs. (7.9kg)

### ELECTRICAL SPECIFICATIONS

**GAIN:** 14.5dBi / 12.5dBd

**FREQUENCY:** 2400-2500MHz

**F to B RATIO:** 20dB

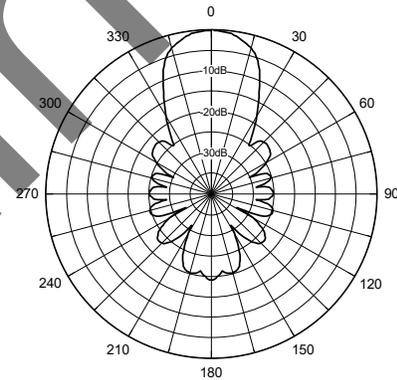
**BANDWIDTH:** >100MHz

**VSWR:** 1.5:1

**POWER RATING:** 150 watts

**IMPEDANCE:** 50 ohms

Horizontal Pattern



Vertical Pattern

