

## Technical Specification

### 406-512 MHz 7dB Gain

**Y2243**

## YAGI ANTENNA

**High Performance:** These antennas provide 7dBd, wide band performance.

**Rugged and weatherproof:** The construction of our standard duty yagis feature 1/2" aluminum U channel with 1/4" solid elements. All exposed areas are coated with UV polyester. The balun assembly is filled and sealed with elastomeric thermoplastic.

**Lightweight and Durable:** These antennas are easily installed by one person and are designed to withstand winds up to 125MPH.

### Termination Options:

**Type A:** 12" Teflon pigtail with N connector.

**Type B:** Direct TNC connection to the balun.

### ELECTRICAL SPECIFICATIONS:

**GAIN:** 7dBd F/B 15dB

**FREQUENCY:**  
 -A 406-430MHz  
 -B 430-450MHz  
 -C 450-470MHz  
 -D 470-490MHz  
 -E 490-512MHz

**VSWR:** <2:1

**VERT BEAMWIDTH:** 60°

**HORIZ BEAM WIDTH:** 70°

**RATING :** 150 watts, 50 ohms impedance

### MECHANICAL SPECIFICATIONS:

**MATERIAL:** 1/2" (1.27cm) aluminum U channel boom  
 1/4" (6.3mm) solid elements

**FINISH:** UV inhibited polyester coat

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

**ELEMENT LENGTH:** 14" (35.5cm) longest

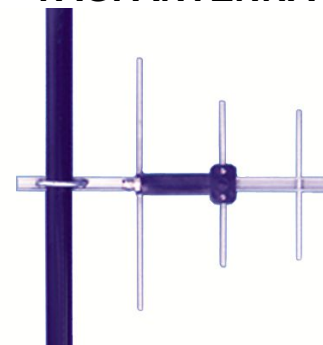
**WEIGHT:** <2 lbs. (907g)

**MOUNT:** 1 5/8" (1.4cm) mast, stainless hardware

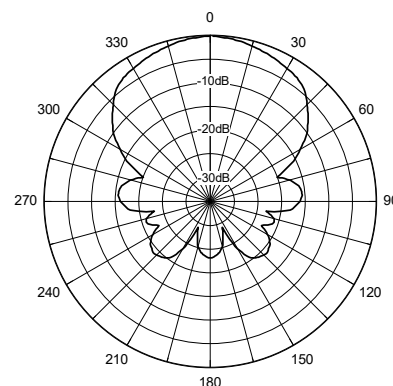
**FLAT PLATE AREA:** .08 ft<sup>2</sup>

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

**WIND LOAD:** 4.7 lbs. (2.1kg)



**Horizontal Pattern**



**Vertical Pattern**

