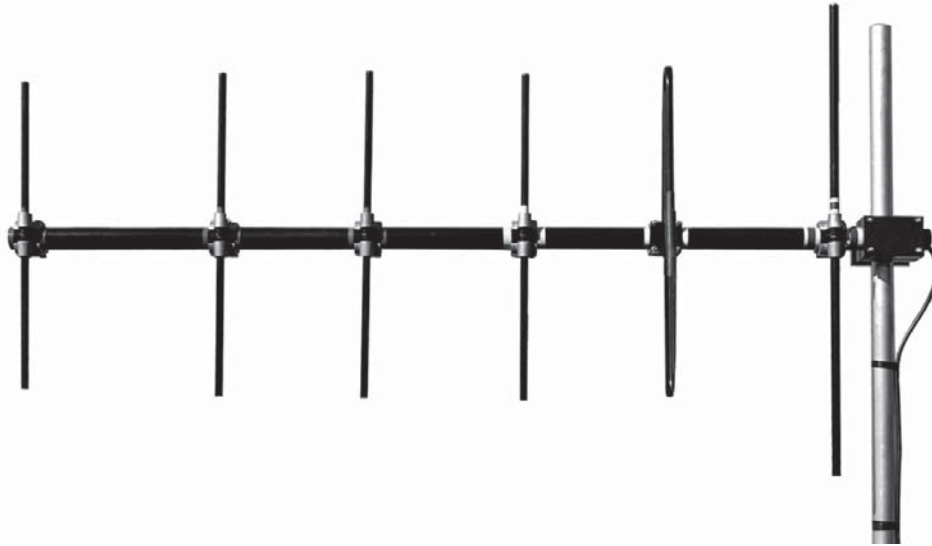
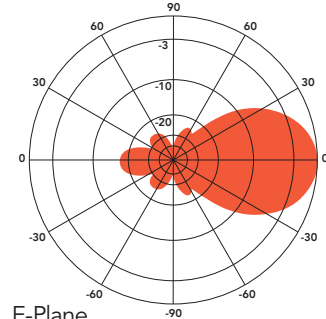
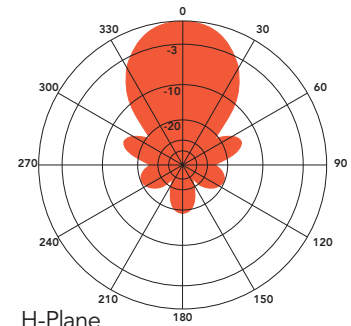


# ANT150Y10H

## YAGI ANTENNA 10 dBd



ANT150Y10H at 156 MHz


 E-Plane  
Gain: 10.1 dBd

 H-Plane  
Gain 10.1 dBd

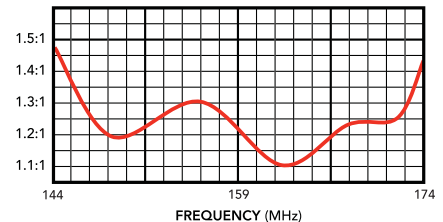
The Telewave ANT150Y10H is a rugged, high performance directional antenna, designed especially for point to point and point to multipoint applications. Six elements provide a minimum of 10 dBd forward gain, good front-to-back performance, and exceptional wide band capability. The elements are constructed from solid aluminum to prevent intermodulation and provide exceptional strength.

All antenna components are completely protected with our high-tech Txytan™ coating, which seals the antenna against corrosive

gases, ultraviolet radiation, salt spray, acid rain, and abrasives such as windblown sand in desert environments. This coating also greatly reduces ice buildup. The active element connection and feed line are sealed within the antenna, eliminating a major cause of failure.

The ANT150Y10H includes a heavy duty clamp set, which allows the antenna boom to rotate for vertical or horizontal polarization. This clamp set will secure the antenna to a vertical mast or tower support from 1.5" - 3.5" O.D.

TYPICAL VSWR RESPONSE



### SPECIFICATIONS

Frequency (continuous)	144-174 MHz	Elements	6
Gain (typ)	10 dBd	Dimensions (L x H)	96 x 40 in.
Power rating (typ)	500 watts	Antenna weight	33 lb.
Impedance / VSWR	50 ohms / 1.5:1 (max)	Shipping weight	37 lb.
Front to back ratio (min)	17 dB	Wind rating / with 0.5" ice	150 / 100 MPH
Beamwidth V / H	44° / 47°	Exposed area (flat plate equiv.)	1.7 ft. <sup>2</sup>
Pattern / Polarization	Directional / Vertical or Hrz.	Lateral thrust at 100 MPH (40 psf - flat plate equiv.)	67 lb.
Termination	N Female or 7-16 DIN (opt)	Bending moment at mast clamp	222 ft. lb.