

ANT1470Y12-WR

YAGI ANTENNA 12.2 dBd / 14.3 dBi



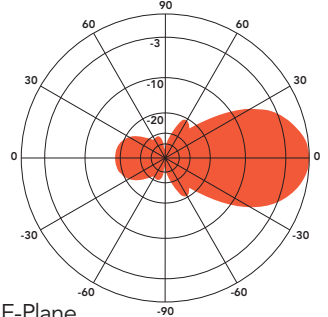
The Telewave ANT1470Y12-WR is a rugged, wideband, high-gain Yagi antenna, designed especially for point to point as well as point to multipoint applications in any environment. The antenna uses twelve solid brass elements, and produces 12.2 dBd forward gain with excellent front-to-back performance. Construction and design are optimized to prevent RF intermodulation, and ensure precise pattern control.

Each antenna is completely protected with Telewave's high-tech Txylan™ coating, which protects the antenna from corrosive gases, UV

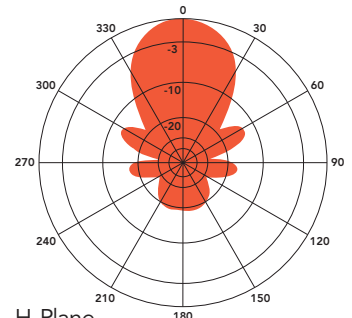
radiation, salt spray, acid rain and wind-blown abrasives. The feed line is sealed within the antenna boom, and an RF-transparent radome protects the driven element from corrosion or icing.

The ANT1470Y12-WR includes a standard clamp set that allows the installer to rotate the antenna for vertical or horizontal polarization. The clamp set secures the antenna to a vertical mast or tower support from 0.5" - 1.5" O.D. The universal mount option allows mounting to angled supports up to 3.5" O.D., and continuous tilt adjustment.

ANT1470Y12-WR at 1470 MHz

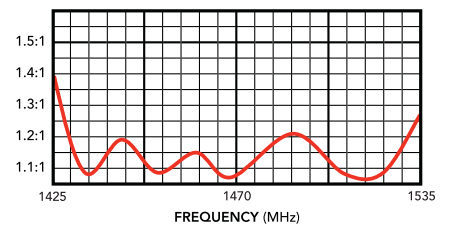


E-Plane
Gain: 10.2 dBd



H-Plane
Gain: 10.2 dBd

TYPICAL VSWR RESPONSE



SPECIFICATIONS			
Frequency (continuous)	1425-1535 MHz	Elements	12
Gain (typ)	12.2 dBd	Dimensions (L x H)	26 x 5 in.
Power rating (typ)	500 watts	Antenna weight	2 lb.
Impedance / VSWR	50 ohms / 1.5:1 (max)	Shipping weight	7.0 lb.
Front to back ratio (min)	24 dB	Wind rating / with 0.5" ice	200 / 165 MPH
Beamwidth V / H	30° / 35°	Exposed area (flat plate equiv.)	0.3 ft. ²
Pattern / Polarization	Directional / Variable	Lateral thrust at 100 MPH	16.5 lb.
Termination	N Female or 7-16 DIN (opt)	(40 psf - flat plate equiv.)	