TELEWAVE, INC.®

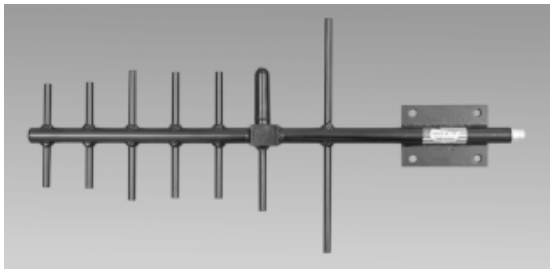
900 - 960 MHz

ANT940Y10-WR

YAGI ANTENNA 10 dBd

FEATURES AND DESCRIPTION:

The Telewave ANT940Y10-WR Yagi antenna is a high performance directional antenna, designed for point-to-point and point-to-multipoint applications. This antenna produces 10 dBd forward gain with an excellent front-to-back ratio. Welded, solid aluminum elements prevent intermodulation, and are connected at DC ground potential for lightning impulse protection. Each antenna is completely protected with our exclusive Txylan coating, which provides icing resistance and environmental protection from corrosive gases, ultraviolet radiation, salt spray, acid rain and wind blown abrasives such as desert sand. The feed line is protected within the boom, and the radiating element connection is completely sealed against ice and other environmental hazards with a tough, RF-transparent casing.



MOUNTING:

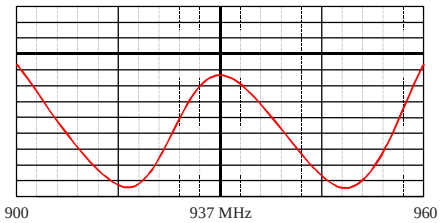
The ANT940Y10-WR is provided with a welded plate and mast clamp set. The clamp set secures the antenna to a vertical mast or tower support leg with an effective diameter between 1.5” - 2.5”. For installations on angled supports, the “U” version will allow for mounting to virtually all angled supports up to 3.5”.

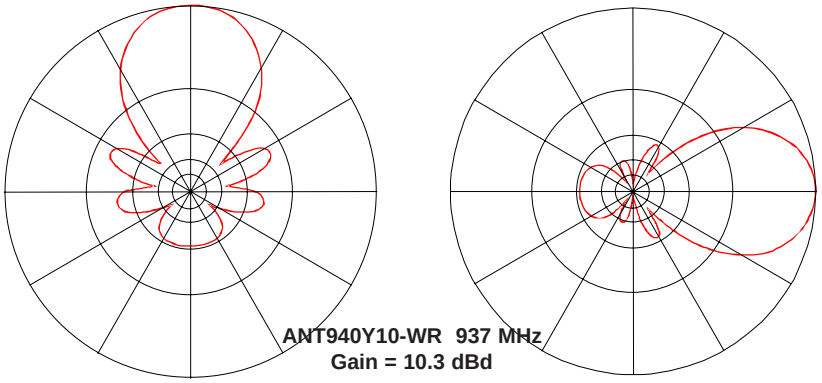
ELECTRICAL SPECIFICATIONS:

Frequency Range	900-960 MHz
Power Rating (Typical)	500 Watts
Gain	10 dBd
Front-to-Back Ratio	20 dB min.
VSWR	1.5:1 or less
Impedance	50 Ohms
Vertical Beamwidth	49 Degrees
Horizontal Beamwidth	47 Degrees
Pattern	Directional
Polarization	Vertical
Lightning Protection	DC Ground
Termination	N-Male Connector

MECHANICAL SPECIFICATIONS:

Dimensions	23" L X 9" H
Boom	1.125” Aluminum
Elements	3
Weight	2.5 lb.
Shipping Weight	WRV / WRH - 5 Lbs
(UPS shippable)	WRU - 6 Lbs
Max. Rated Wind Velocity	200 MPH
with 0.5" radial ice	165 MPH
Max. Exposed Area	0.21 sq. ft.
(Flat plate equiv.)	
Lateral Thrust at 100 MPH	6.98 lb.
(40 PSF Flat plate equiv.)	





ANT940Y10-WR 937 MHz
Gain = 10.3 dBd

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