

ANT144Y5-WR

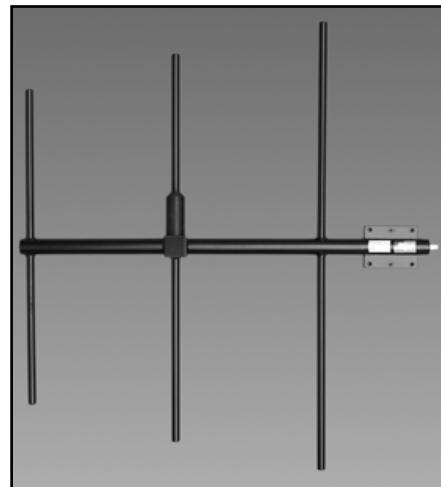
YAGI ANTENNA 5 dBd

FEATURES AND DESCRIPTION:

The Telewave ANT144Y5-WR Yagi antenna is a high performance directional antenna, designed for point-to-point and point-to-multipoint applications. This antenna produces 5 dBd forward gain with an excellent front-to-back ratio, and welded aluminum elements prevent intermodulation. 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 ANT144Y5-WR ships with a welded plate and mast clamp set. The clamp set secures the antenna to a vertical mast or tower support leg with any diameter between 1.5" - 2.5".



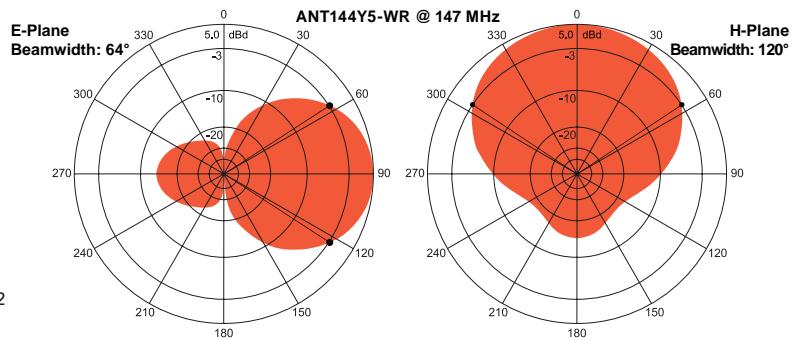
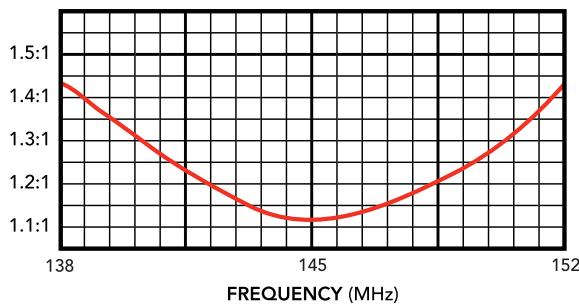
ELECTRICAL SPECIFICATIONS:

Frequency Range	138-152 MHz
Bandwidth	14 MHz
Power Rating (Typical)	500 Watts
Gain	5 dBd
Front-to-Back Ratio	20 dB min.
VSWR	1.5:1 or less
Impedance	50 Ohms
Vertical Beamwidth	64 Degrees
Horizontal Beamwidth	120 Degrees
Pattern	Directional
Polarization	Vertical
Termination	N-Female

MECHANICAL SPECIFICATIONS:

Dimensions	38" L X 42" H
Boom	1.125" Aluminum
Elements	3
Weight	8 lb.
Shipping Weight	WRV/WRH - 10 Lbs (UPS shippable)
Max. Rated Wind Velocity	150 MPH with 0.5" radial ice
Max. Exposed Area	125 MPH 1.1 sq. ft.
Lateral Thrust at 100 MPH	(Flat plate equiv.) 44 lb. (40 PSF Flat plate equiv.)

TYPICAL VSWR RESPONSE



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