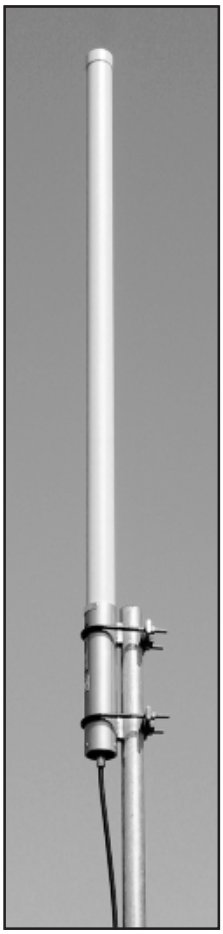
TELEWAVE, INC.®

125 - 150 MHz

ANT135F2

FIBERGLASS COLLINEAR ANTENNA 2.5 dBd



DESCRIPTION AND FEATURES:
The Telewave ANT135F2 is an extremely rugged collinear antenna, with wide vertical beamwidth and moderate gain. This compact antenna produces 2.5 dBd gain, and is designed for operation in all environmental conditions. The antenna is constructed with brass and copper elements, with a path to DC ground for lightning impulse protection. All junctions are fully soldered to prevent RF intermodulation, and each antenna is completely protected within a high-tech ruggedized radome to ensure survivability in the worst environments. The "Cool Blue" radome provides maximum protection from corrosive gases, ultraviolet radiation, icing, salt spray, acid rain, and wind blown abrasives.

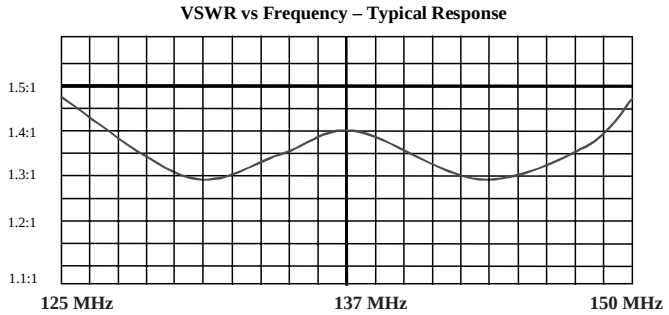
MOUNTING:
The ANT135F2 includes a dual clamp set for mounting to a 1.5" to 3" diameter support pipe. Stand off and top mounts are also available.

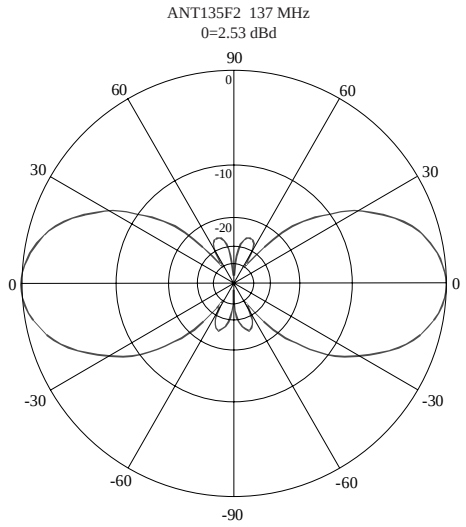
ELECTRICAL SPECIFICATIONS:

Power Rating (typical)	500 Watts
Gain	2.5 dBd
Frequency Range	125-150 MHz
VSWR	1.5:1 or less
Impedance	50 Ohms
Vertical Beamwidth	38 Degrees
Pattern	Omnidirectional
Termination	Recessed Type N-F with 24" RG-213 removeable jumper. 7-16 DIN-F opt.

MECHANICAL SPECIFICATIONS:

Dimensions	72" L x 2.5" diam.
Tower weight (Antenna + clamps)	15 lb.
Shipping weight	18 lb.
Max. Rated Wind Velocity	200 MPH
Max. Rated Wind Velocity with 0.5" radial ice	150 MPH
Max. Exposed Area	1.46 Sq. ft.
Lateral Thrust at 100 MPH	58.3 lb.
Bending Moment at top clamp at 100 MPH (40 PSF Flat Plate Equivalent)	100 Ft. lb.





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