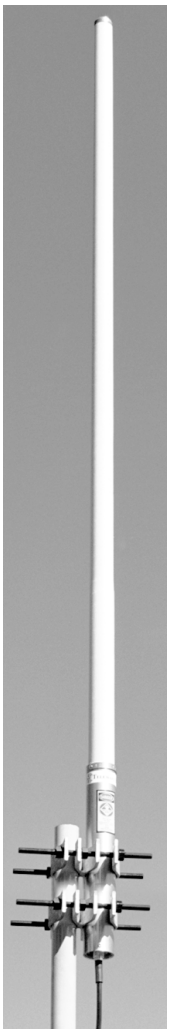
TELEWAVE, INC.®

870 - 965 MHz

ANT940F6

FIBERGLASS COLLINEAR ANTENNA 6 dBd



DESCRIPTION AND FEATURES:

The Telewave ANT940F6 is an extremely rugged, medium-gain, fiberglass collinear antenna, designed for operation in all environmental conditions. The antenna is constructed with brass and copper elements, connected at DC ground potential 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:

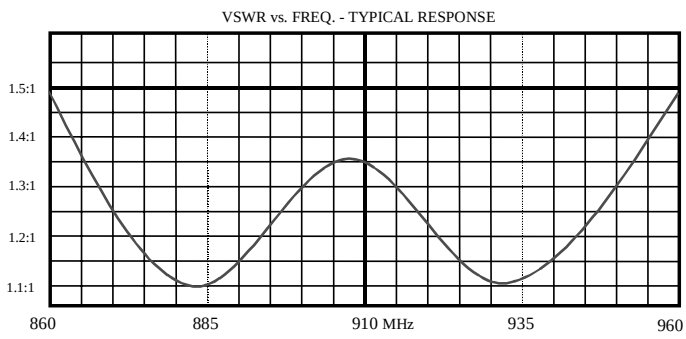
The ANT940F6 includes a dual clamp set for mounting to a 1.5" to 4" diameter support pipe. Stand off mounts are available.

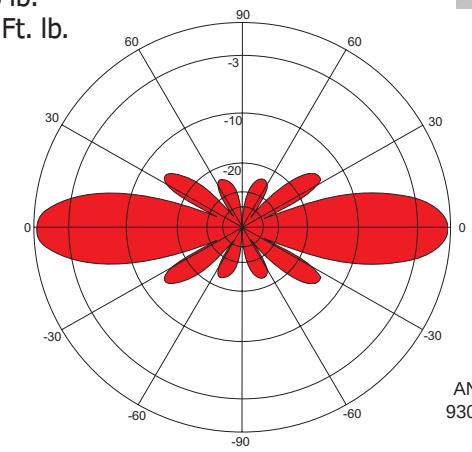
ELECTRICAL SPECIFICATIONS:

Power Rating (typical)	500 Watts
Gain	6 dBd
Frequency Range	870-965 MHz
VSWR	1.5:1 or less
Impedance	50 Ohms
Vertical Beamwidth	19 Degrees
Pattern	Omnidirectional
Lightning Protection	DC Ground
Termination	Recessed Type N or 7-16 DIN Female at base 24" RG-213 jumper supplied with Type N model

MECHANICAL SPECIFICATIONS:

Dimensions	56" L x 2.375" diam.
Weight	8 lb.
Max. Rated Wind Velocity	200 MPH
Max. Rated Wind Velocity with 0.5" radial ice	150 MPH
Max. Exposed Area	0.64 Sq. ft.
Lateral Thrust at 100 MPH	30.5 lb.
Bending Moment at top clamp at 100 MPH (40 PSF Flat Plate Equivalent)	143 Ft. lb.





ANT940F6 E Plane
930 MHz 0=6.15 dBd

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