TELEWAVE, INC.®

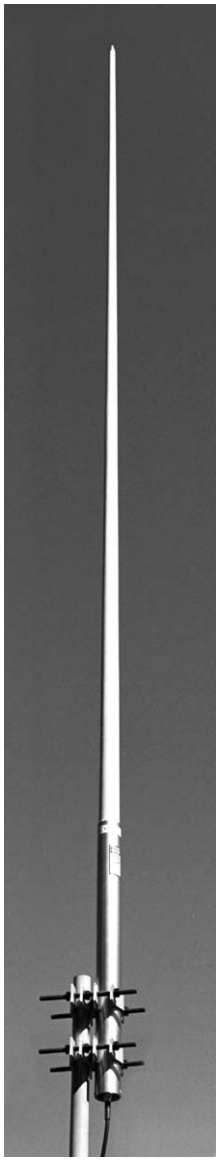
138 - 174 MHz

ANT150F6

FIBERGLASS COLLINEAR ANTENNA 6 dBd

DESCRIPTION AND FEATURES:

The Telewave ANT150F6 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, UV radiation, icing, salt spray, acid rain, and wind blown abrasives. Seven models cover the entire VHF band. Please specify exact frequency and band code (-1, -2, etc.) when ordering.



MOUNTING:

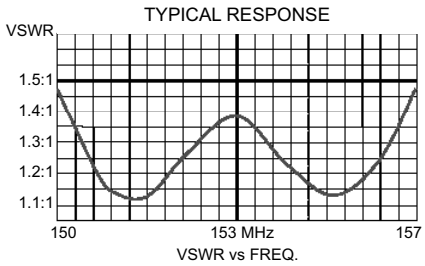
The ANT150F6 includes a dual clamp set for mounting to a 1.5" to 4" diameter support pipe. Stand off and top mounts are also available.

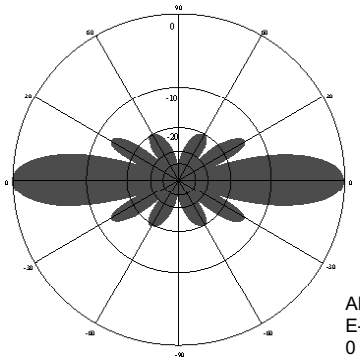
ELECTRICAL SPECIFICATIONS:

Power Rating (typical)	500 Watts
Gain	6 dBd
Frequency Ranges	(**-1**) 138-144 MHz (**-2**) 144-151 MHz (**-3**) 150-157 MHz (**-4**) 156-164 MHz (**-5**) 158-166 MHz (**-6**) 161-168 MHz (**-7**) 167-174 MHz
VSWR	1.5:1 or less
Impedance	50 Ohms
Vertical Beamwidth	20 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: **(Shipped via truck only)**

Dimensions (Max)	138-151 MHz - 256" L x 2.75" diam. 150-174 MHz - 243" L x 2.75" diam.	
Weight (Antenna only)	138-151 MHz - 32 lb.	150-174 MHz - 30 lb
Max. Rated Wind Velocity	150 MPH / 125 MPH (with 0.5" radial ice)	
Max. Exposed Area	138-151 MHz - 4.0 Sq. ft.	150-174 MHz - 3.9 Sq. ft.
Lateral Thrust at 100 MPH	138-151 MHz - 160 Lb.	150-174 MHz - 156 Lb.
Bending Moment at top clamp (100 MPH - 40 PSF Flat Plate Equivalent)	138-151 MHz - 1074 Ft. lb.	150-174 MHz - 984 Ft. lb.





ANT150F6-3 at 156 MHz
E-Plane
0 = 6.41 dBd

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