

## ANT220F6

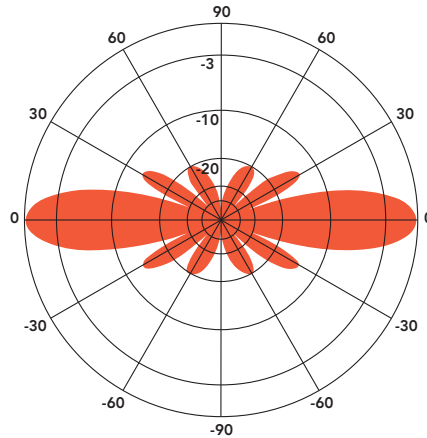
### FIBERGLASS COLLINEAR ANTENNA 6 dBd

The Telewave ANT220F6 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. The ANT220F6 is an excellent choice for wireless PTC systems in urban or rural areas.

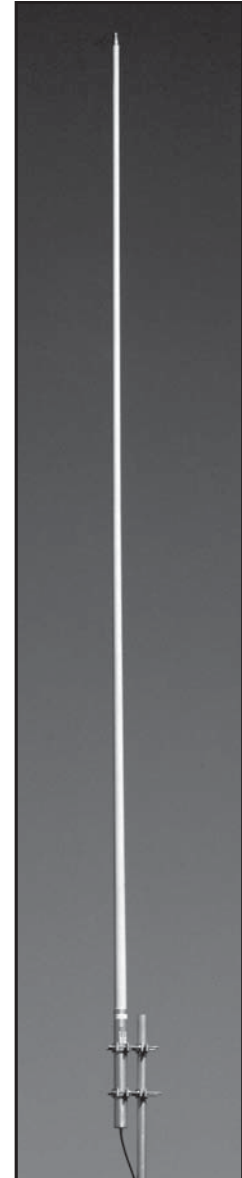
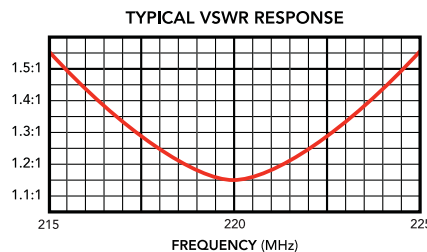
All junctions are fully soldered to prevent RF intermodulation, and each antenna is completely protected within a rugged, high-tech radome to ensure survivability in the worst environments. The "Cool Blue" radome provides maximum protection from corrosive gases, ultraviolet radiation, icing, salt spray, acid rain, and wind blown abrasives.

The ANT220F6 includes an ANTC482 dual clamp set for mounting to a 1.5" to 3.5" O.D. support pipe, and a 24" removable RG-213 N-Male jumper. Stand off and top mounts are also available.

**NOTE: THIS ANTENNA IS SHIPPED VIA TRUCK FREIGHT ONLY**



ANT220F6 - 221 MHz  
Vertical Plane  
Gain = 6.11 dBd



SPECIFICATIONS			
Frequency (continuous)	216-225 MHz	Dimensions (L x base diam.) in.	171 x 2.75
Gain	6 dBd	Tower weight (antenna + clamps)	35 lb.
Power rating (typ.)	500 watts	Shipping weight	50 lb.
Impedance	50 ohms	Wind rating / with 0.5" ice	150 / 125 MPH
VSWR	1.5:1 or less	Maximum exposed area	3.1 ft. <sup>2</sup>
Pattern	Omnidirectional	Lateral thrust at 100 MPH	122 lb.
Vertical beamwidth	20°	Bending moment at top clamp	494 ft. lb.
Termination	Recessed N Female 7-16 DIN-F opt.	(100 MPH, 40 PSF flat plate equiv.)	