

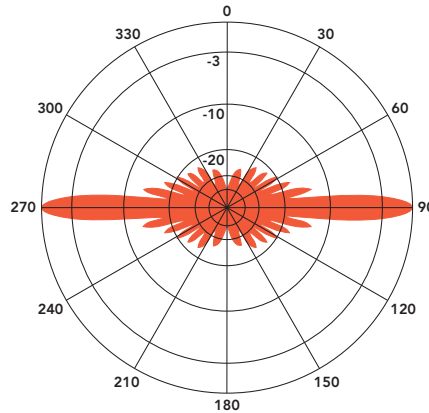
# ANT850F10

## FIBERGLASS COLLINEAR ANTENNA 10 dBd

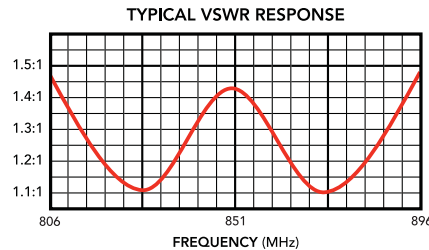
The Telewave ANT850F10 is an extremely rugged, high-gain, fiberglass collinear antenna, designed for operation in all environmental conditions. The antenna is constructed with brass and copper elements, connected at DC ground potential for lightning impulse protection.

All junctions are fully soldered to prevent RF intermodulation, and each antenna is completely protected within a 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 ANT850F10 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.



ANT850F10 - 850 MHz  
Vertical Plane  
Gain = 10.10 dBd



SPECIFICATIONS			
Frequency (continuous)	806-896 MHz	Dimensions (L x base diam.) in.	83 x 2.375
Gain	10 dBd	Tower weight (antenna + clamps)	19 lb.
Power rating (typ.)	500 watts	Shipping weight	23 lb.
Impedance	50 ohms	Wind rating / with 0.5" ice	200 / 150 MPH
VSWR	1.5:1 or less	Maximum exposed area	1.3 ft. <sup>2</sup>
Pattern	Omnidirectional	Lateral thrust at 100 MPH	53 lb.
Vertical beamwidth	6°	Bending moment at top clamp	106 ft. lb.
Termination	Recessed N Female 7-16 DIN-F opt.	(100 MPH, 40 PSF flat plate equiv.)	