

ANT50D

DIPOLE ANTENNA

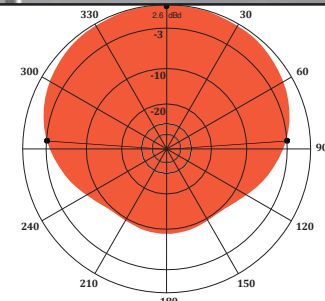
The Telewave.io ANT50D is a rugged, high-performance single dipole antenna designed for VHF lowband services, including public safety, utilities, military communication, and amateur radio. This antenna provides 9 MHz bandwidth with no tuning required. The horizontal pattern is adjustable, and multiple elements can be stacked for increased gain and pattern control.

Each antenna is constructed with 6061-T6 aluminum, and is welded at the base to a solid, machined aluminum mounting block for maximum strength

A massive 3.5" diameter boom provides exceptional strength. Each antenna is also completely sealed with our high-tech Txylan™ coating, which resists water and ice buildup, and provides exceptional protection from corrosive gases, UV radiation, salt spray, acid rain and windblown abrasives.

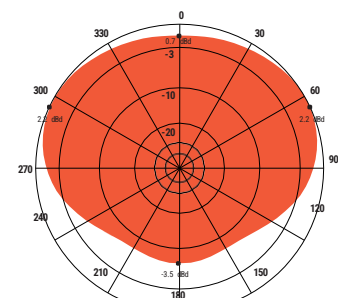
ANT 50 D antennas include ANTC482 mounting hardware which will accommodate a 1.5"-3.5" diameter galvanized steel support pipe or tower leg. Due to the size and potential wind loading of this antenna, tower side mounting is recommended.

NOTE: THIS ANTENNA IS SHIPPED VIA TRUCK FREIGHT ONLY



H-Plane gain 2.6 dBd
1/4 wl. spacing from tower

ANT50D at 49 MHz



H-Plane gain 0.7 dBd
3/8 wl. spacing from tower

SPECIFICATIONS	
Frequency (continuous)	45-54 MHz
Power rating (typ.)	500 watts
Impedance	50 ohms
VSWR	1.5:1 or less
Pattern	Adjustable: offset circular or cardioid
Lightning protection	DC Ground
Termination	N-Male or 7-16 DIN (opt.) on harness feed cable
Gain (dependent on pattern)	1-2.5 dBd
Vertical beamwidth	78°
Horizontal beamwidth	Dependent on pattern
Dipole dimensions (H x W)	108 x 9 in.
Boom dimensions (L x Dia.)	96 x 3.5 in.
Weight (antenna + clamps)	53 lb.
Wind rating / 0.5" ice	125 / 100 MPH
Maximum exposed area	3.2 ft. ²
Lateral thrust at 100 MPH	129 lb