

ANT44D

DIPOLE ANTENNA

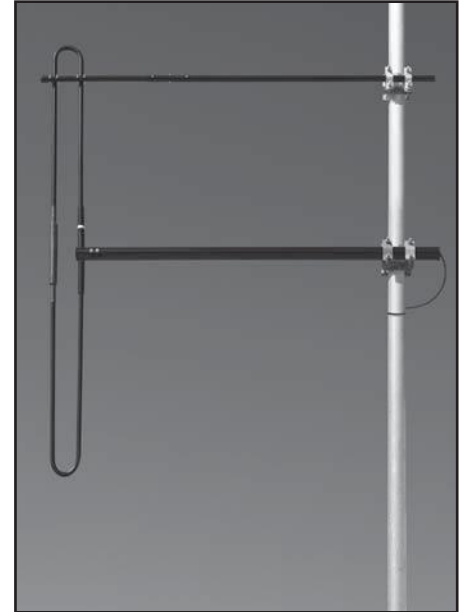
The Telewave.io ANT44D is a rugged, high-performance single dipole antenna designed for VHF lowband services, including public safety, utilities, paging links or military communication. This antenna provides 6.5 MHz bandwidth with no tuning required, and multiple elements can be stacked for increased 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.

ANT44D antennas include ANTC482 mounting hardware which will accommodate a 1.5"-3.5" diameter galvanized steel support pipe or tower leg. One ANTLBB element support boom with all required clamps is also included.

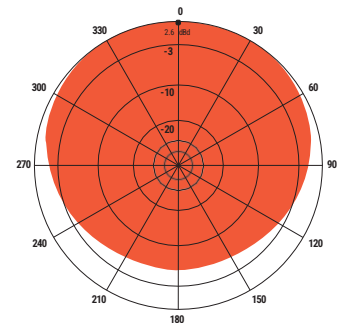
Due to the size and potential wind loading of this antenna, tower side mounting is recommended.



NOTE: THIS ANTENNA IS SHIPPED VIA TRUCK FREIGHT ONLY

SPECIFICATIONS	
Frequency (continuous)	41.5-48 MHz
Power rating (typ.)	500 watts
Impedance	50 ohms
VSWR	1.5:1 or less
Pattern	Offset circular
Lightning protection	DC Ground
Termination	N-Male or 7-16 DIN (opt.) on harness feed cable
Gain (typ.)	2.5 dBd
Vertical beamwidth	78 degrees
Horizontal beamwidth	Dependent on pattern
Dipole dimensions (H x W)	120 x 9 in.
Boom dimensions (L x Dia.)	78 x 3.5 in.
Weight (antenna + clamps)	41 lb.
Wind rating / 0.5" ice	125 / 100 MPH
Maximum exposed area	3.2 ft. ²
Lateral thrust at 100 MPH	129 lb

ANT44D at 44 MHz



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