

ANT42D **DIPOLE ANTENNA**

high-performance single antenna designed for VHF lowband coating, which resists water and ice services, including public safety, buildup, and provides exceptional utilities, paging links or military protection from corrosive gases, UV communication. This antenna radiation, salt spray, acid rain and provides 8.5 MHz bandwidth with windblown abrasives. no tuning required, and multiple elements can be stacked for increased gain and pattern control.

Each antenna is constructed with diameter galvanized steel support pipe 6061-T6 aluminum, and is welded at or tower leg. One ANTLBB element the base to a solid, machined aluminum mounting block for clamps is also included. maximum strength. A massive diameter boom provides exceptional strength.

The Telewave.io ANT42D is a rugged, Each antenna is also completely dipole sealed with our high-tech Txylan™

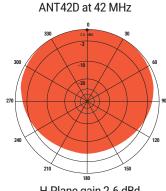
> ANT42D antennas include ANTC482 mounting hardware which will accommodate a 1.5"-3.5" support boom with all required

> 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)	38.5-47 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	180 degrees
Dipole dimensions (H x W)	126 x 9 in.
Boom dimensions (L x Dia.)	78 x 3.5 in.
Weight (antenna + clamps)	41 lb.
Dipole spacing from tower	69 in.
Wind rating / 0.5" ice	125 / 100 MPH
Maximum exposed area	3.3 ft. ²
Lateral thrust at 100 MPH	132 lb



H-Plane gain 2.6 dBd 1/4 wl. spacing from tower - 69"