

ANT220K

WIDEBAND DISCONE ANTENNA

The Telewave ANT220K is an extremely rugged, wideband disccone antenna for all frequencies between 30 MHz and 3 GHz. The wide vertical beamwidth of disccone antennas allows clear communication for ground and ground-to-air applications.

Telewave disccone antennas are designed to survive the most extreme conditions, where conventional antennas often fail. They are field-proven in US and overseas deployments and support many voice and data requirements in multiple bands.

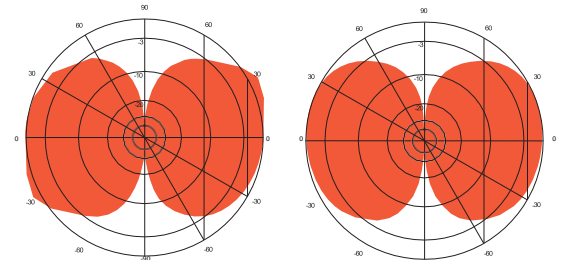
Each disccone is constructed from Mil. Spec. 6061-T6 solid aluminum, fully welded at all joints for maximum strength. All internal junctions are enclosed within a ruggedized radome to ensure survivability in the worst environments.

The radome and Txytan™ coating on allmetal surfaces ensures complete protection from corrosive gases, ultraviolet radiation, salt spray, acid rain and sand storms in desert environments.

The ANT220K is designed to be clamped to a 1.5"-3.5" diameter galvanized steel support pipe. An ANTC482 dual clamp set is included.



ANTC482



E-Plane: 100 MHz

E-Plane: 400 MHz

SPECIFICATIONS	
Frequency (continuous)	30 MHz - 3000 MHz
Power rating (typ.)	500 watts
Gain (typ.)	0 dBd
Impedance	50 ohms
VSWR	30 MHz - 3.5:1, 60 MHz - 2.5:1, 95-3000 MHz - 1.5:1 or less
Pattern	Omnidirectional
Termination	N-Male or 7-16 DIN on RG-393 feed cable
Vertical beamwidth (nom.)	110 degrees (varies with frequency)
Wind rating / 0.5" ice	150 / 125 MPH
Maximum exposed area	2.25 ft. ²
Lateral thrust at 100 MPH	90 lb
Bending moment at 100 MPH	180 ft. lb (top clamp, flat plate equiv.)
Dimensions	58" H x 38" W (at skirt base)
Weight (antenna + clamps)	61 lb
Shipping weight	110 lb