

ANT220K

WIDEBAND DISCONE ANTENNA

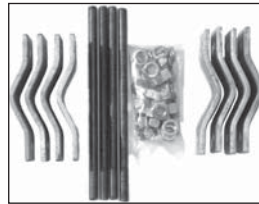
The Telewave ANT220K is an extremely rugged, wideband discone antenna for all frequencies between 30 MHz and 3 GHz. The wide vertical beamwidth of discone antennas allows clear communication for ground and ground-to-air applications.

Telewave discone 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 discone 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 Txylan™ coating on all metal surfaces ensures complete protection from corrosive gases, ultraviolet radiation, salt spray, acid rain and sand storms in desert environments.

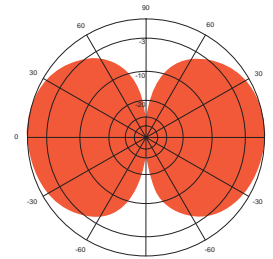
The ANT220K is designed to be clamped to a 1.5"-3.5" diameter galvanized steel support pipe. An ANTC482 dual clamp set is included.



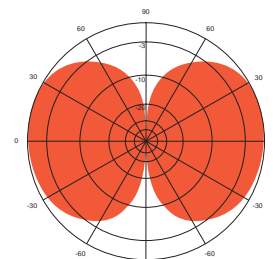
ANTC482



| 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 |



E-plane: 100 MHz



E-plane: 400 MHz