

HTDA-8020

NEW GENERATION HF NVIS ANTENNAS

HTDA-8020

- The Electrical Antenna design consists of an active tuner for horizontal dipole and whip antenna.
- Built-in High Efficiency Automatic Tuner
- Multiple Antenna variations for implementing exact and required radiation patterns
- The HTDA is the best solution for manpack and vehicle based applications with limited installation space
- Meets all MIL-STD-810F environmental requirements



HTDA TECHNICAL SPECIFICATIONS

Frequency Band:	1.5 - 30 MHz
Input Power:	20 W PEP and AVG
Tuned Antenna Input Impedance:	50 Ohm with VSWR \leq 1.5
Azimuth Radiation Pattern:	Omni-directional \pm 1 dB
Tuning time:	1 s
Tuning Time from Memory:	< 2 ms
Tuning RF Power:	3...6 W
Power supply:	12V DC, current less than 0.6A
Tuner Dimensions:	10"x 7.2"x 2.6"(256 x183 x 65 mm)
Whip element height:	16 ft. (5 m)
Dipole elements length:	27 ft (8.2 m)
Tuner weight:	4.8lbs (2.2 kgs)
Operation Temperature Range:	-22 to 149°F (-30 to 65° C)
Storage Temperature Range:	-22...149°F (-40...85°C)
Control interface:	RS-232 or by RF cable or two wire

HTDA-8020 meets all MIL-STD-810F environmental requirements