

HLA-8020

NEW GENERATION HF NVIS ANTENNAS

Half-Loop Antenna

- Built-in High Efficiency Automatic Tuner
- Multiple Antenna variations for implementing exact and required radiation patterns
- 0-600 mi. operation without skip zone
- Low sensitivity to electrical noise
- 0-100 miles, received signal SNR is 10db stronger than typical Whip Antennas
- Support for continuous duty data systems
- The best solution for manpack and vehicle based applications with limited installation space
- Omni-directional for NVIS communication
- Light and compact



HLA TECHNICAL SPECIFICATIONS

Frequency Band:	1.5 - 30 MHz
Input Power:	< 25 W PEP and AVG
Tuned Antenna Input Impedance:	50 Ohm with VSWR < 1.4
Azimuth Radiation Pattern:	Omni-directional
Tuning time by algorithm	< 1s
Tuning Time from Memory:	< 2.0ms
Tuning RF Power:	3-6 W
Power supply:	12VDC, current less than 0.6A
Tuner Dimensions:	10"x 7.2"x 2.6"(256 x183 x 65 mm)
Radiating Element Dimensions:	8.2' ÷ 13' (2.5m ÷ 4m)
Tuner weight:	4.8 lbs (2.2 kgs)
Operation Temperature Range:	-22 to 149°F (-30 to 65° C)

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