



L3HARRIS™
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RF-7850A-AT001

Airborne Antenna

ELECTRICAL

Frequency Range	30 – 512 MHz
Impedance	50 Ohms
VSWR	3.5: 1 maximum
Polarization	Vertical
Radiation Pattern	Omni-directional
RF Power Capacity	50 W
Gain	-20 dBi, 30 – 88 MHz -16 dBi, 88 – 150 MHz -14 dBi, 150 – 225 MHz -6 dBi, 225 – 300 MHz -3 dBi, 300 – 512 MHz

MECHANICAL

Antenna Port	TNC female
Dimensions	14.44 H x 11.5 W x 3.72 D in (36.7 H x 29.2 W x 9.45 D cm) See diagram on back
Weight	3.5 lbs (1.59 kg)
Finish	CARC Black

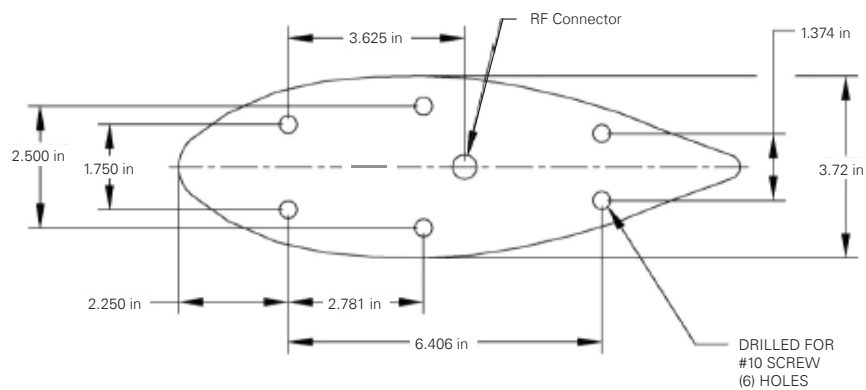
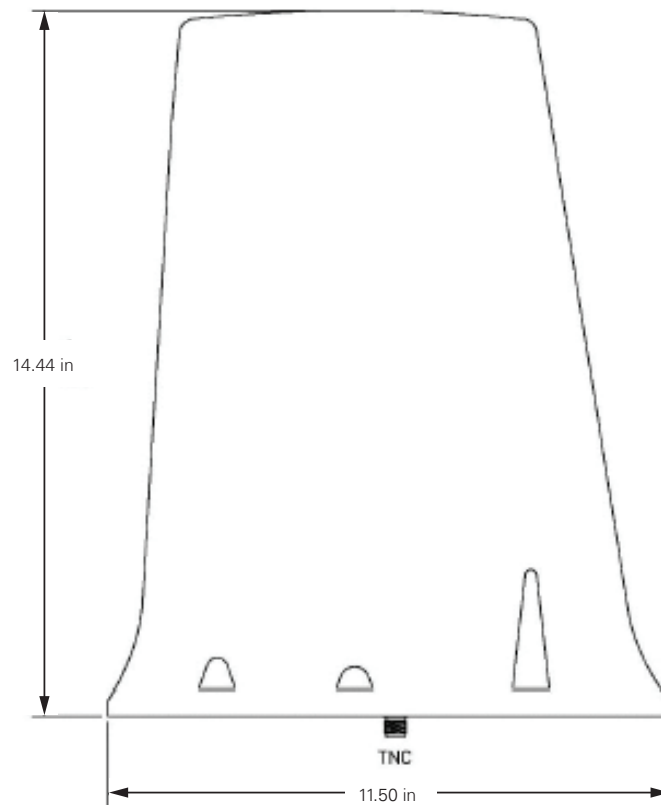
ENVIRONMENTAL

Altitude	50,000 ft above sea level
Impact Shock	30 g
Steady State Acceleration	6 g
Temperature	-65°F to +131°F (-54°C to +55°C) (operational) -80°F to +185°F (-62°C to +85°C) (non-operational)
MIL-STD-810G	Humidity Fixed-Wing Vibration Rotary-Wing Vibration Rain Sand and Dust Shock Acceleration Salt Fog



Full-Spectrum Coverage

The RF-7850A-AT001 is a vertically polarized, omni-directional broadband antenna operating within the 30-512 MHz frequency range. Designed for use with L3Harris RF-7850A Falcon III® Airborne Networking radios, the AT001 is ruggedized for reliability during helicopter and subsonic aircraft use. This antenna handles up to 50 watts of power, does not require external tuning and is DC grounded to drain static charges.



RF-7850A-AT001

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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