

## SPECIFICATIONS

# RF-7850A-AT001 Airborne Antenna



### Full-Spectrum Coverage

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

#### ELECTRICAL

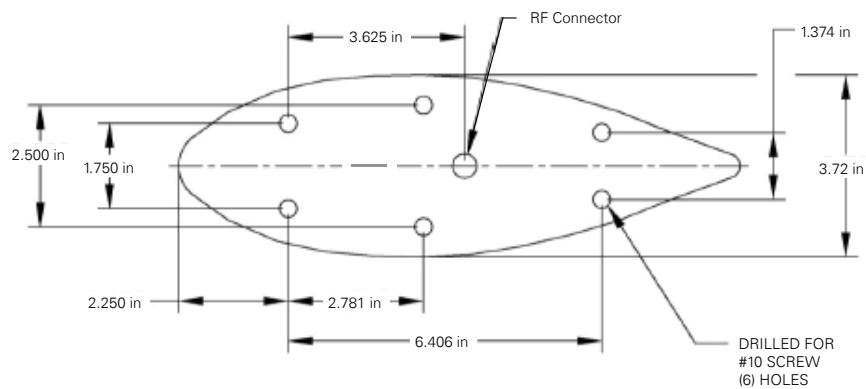
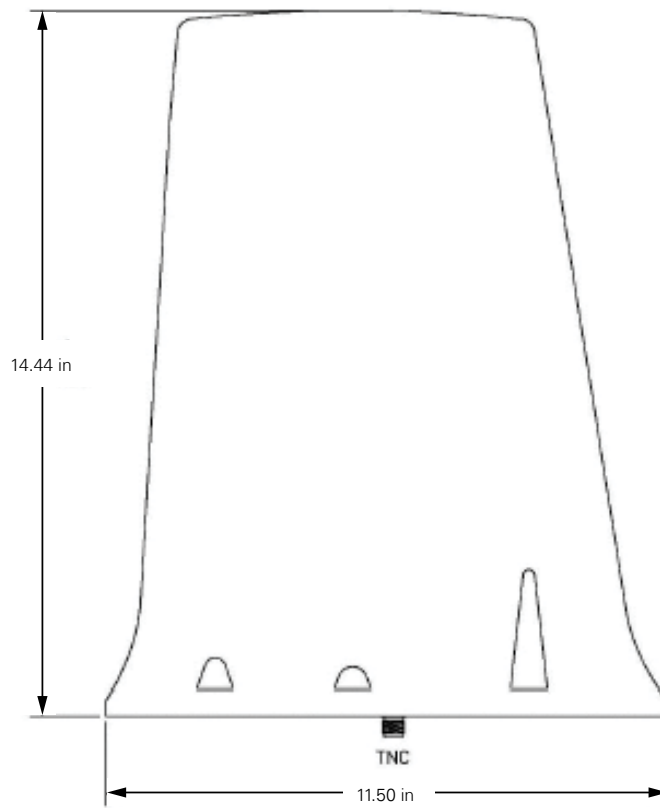
Frequency Range	30 - 512 MHz
Impedance	50 Ohms
VSWR	3.5 : 1 maximum
Polarization	Vertical
Radiation Pattern	Omni-directional
RF Power Capacity	50 watts
Gain	-20 dBi, 30 - 88 MHz
	-16 dBi, 88 - 150 MHz
	-14 dBi, 150 - 225 MHz
	-6 dBi, 225 - 300 MHz
	-3 dBi, 300 - 512 MHz

#### 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)
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



#### About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world.

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