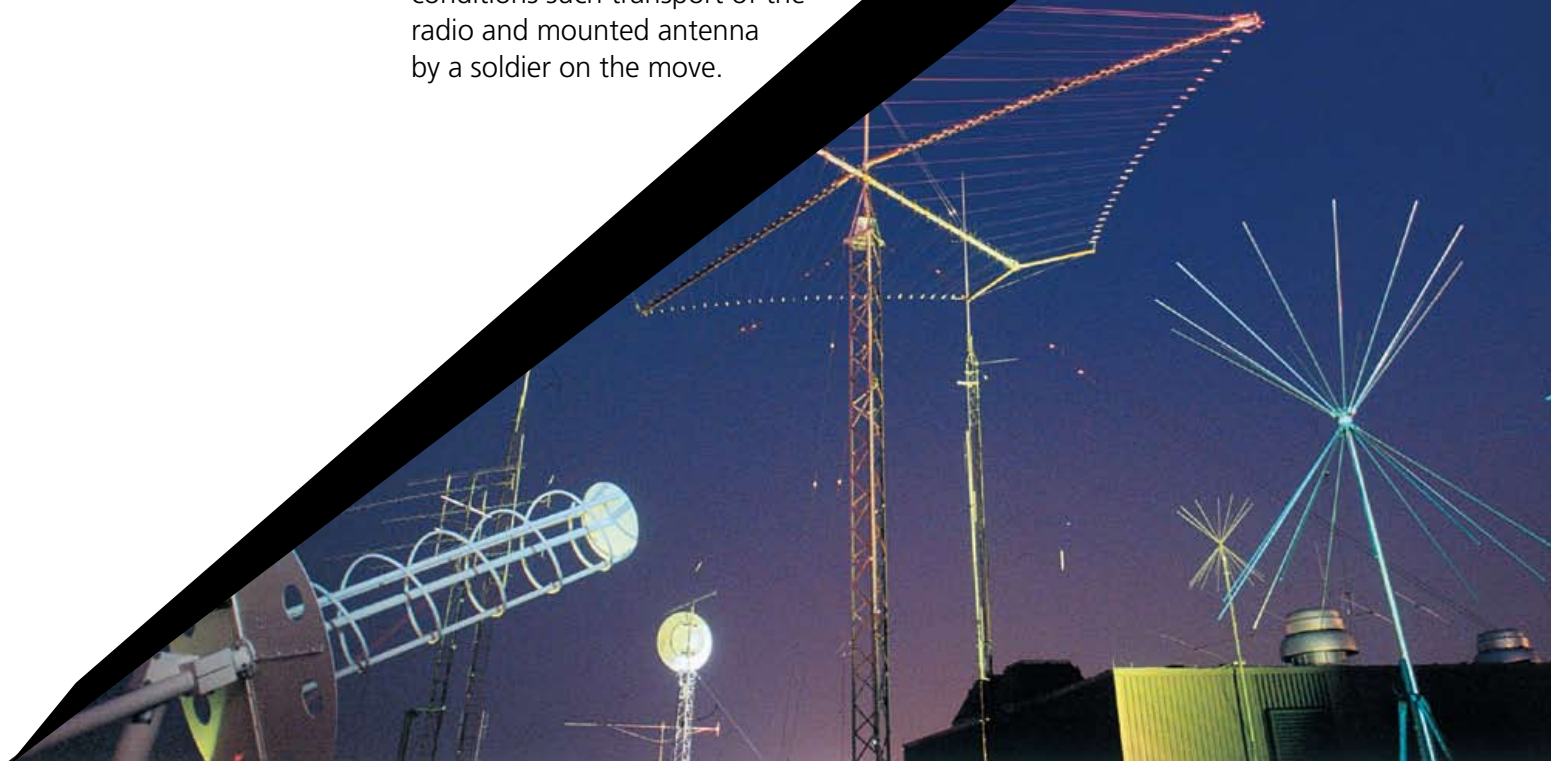


RF-3151-AT152**MANPACK LOW BAND****ANTENNA****100 TO 512 MHz**

The RF-3151-AT152 UHF manpack antenna is a "fat" monopole-style antenna with gooseneck articulation for use with the AN/PRC-117G(V)1(C) and RF-7800M-MP Falcon III® manpack transceivers. It connects directly to the low-band port of the Falcon III manpack radios using a custom TNC-style connector.

This linearly-polarized dismount antenna, which has performance comparable to that of the Harris "nightstick" antenna (part number 10369-0205), achieves optimum effectiveness when it is deployed vertically and mounted on the radio chassis.

The flexible gooseneck used to orient the antenna maintains the antenna position while mounted to the transceiver during typical usage. This includes static positions such as placement of the radio at any inclination on the ground or other surface, or dynamic conditions such transport of the radio and mounted antenna by a soldier on the move.



Specifications for the RF-3151-AT152

Electrical

- **Frequency Range**
100 - 512 MHz
- **RF Power Capacity**
16 Watts
- **Input Impedance**
50 ohms
- **Radiation Pattern**
Omnidirectional in azimuth,
see radiation pattern below
- **Polarization**
Linearly polarized, relative to 50 ohms
- **VSWR**
< 3.5:1
- **Gain**
> -4 dBi at 100 MHz
> -2 dBi at 225 MHz
> 0 dBi at 512 MHz

Environmental

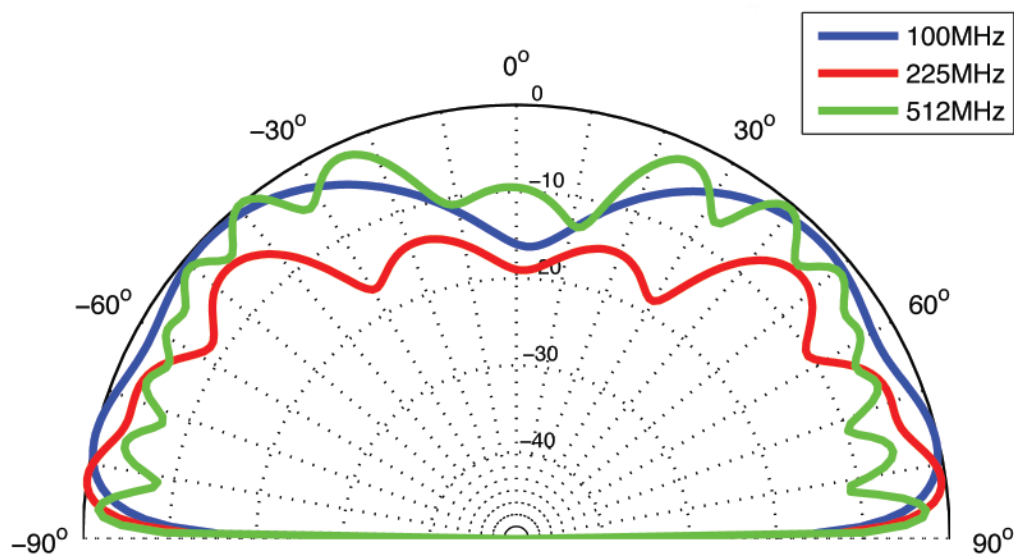
- Meets MIL-STD-810F

Mechanical

- **RF Connector**
TNC male
- **Deployed Dimensions**
18 inches (45.7 cm)
- **Weight**
10 ounces (0.31 kg)
- **Color**
Black, matte finish

Features

- **Low-band, dismount antenna**
- **Comparable performance to the Harris "nightstick", part number 10369-0205**
- **Flexible gooseneck maintains the antenna position whether the operator is stationary or in motion**
- **Durable**
- **Broadband passive matching**
- **Lightweight**



RF-3151-AT152 typical radiation patterns when mounted on the Falcon III radio over ground

Specifications are subject to change without notice.