

RF-3150-AT152**MANPACK LOW BAND****ANTENNA,****30 TO 108MHZ**

The RF-3150-AT152 VHF dismount antenna is a linearly polarized, end-fed monopole blade antenna 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 via a custom TNC connector.

The antenna is composed of a flexible gooseneck, a TNC connector, matching network and a foldable, sleeved blade radiator. The components are designed to withstand the rigors of a military environment.

It can be folded during on-the-move operations, although in this deployment, range is limited. The antenna achieves optimum performance when it is completely deployed and is mounted on the radio.



Specifications for the RF-3150-AT152

Electrical

- **Frequency Range**
30 — 108 MHz
- **RF Power Capacity**
16 Watts
- **Input Impedance**
50 ohms (nominal)
- **Radiation Pattern**
Omnidirectional in azimuth,
see radiation pattern below
- **Polarization**
Linearly polarized, relative to 50 ohms
- **VSWR**
< 3.5:1
- **Gain**
> -10 dBi at 30 MHz
> -2 dBi at 60 MHz
> 0 dBi at 108 MHz

Environmental

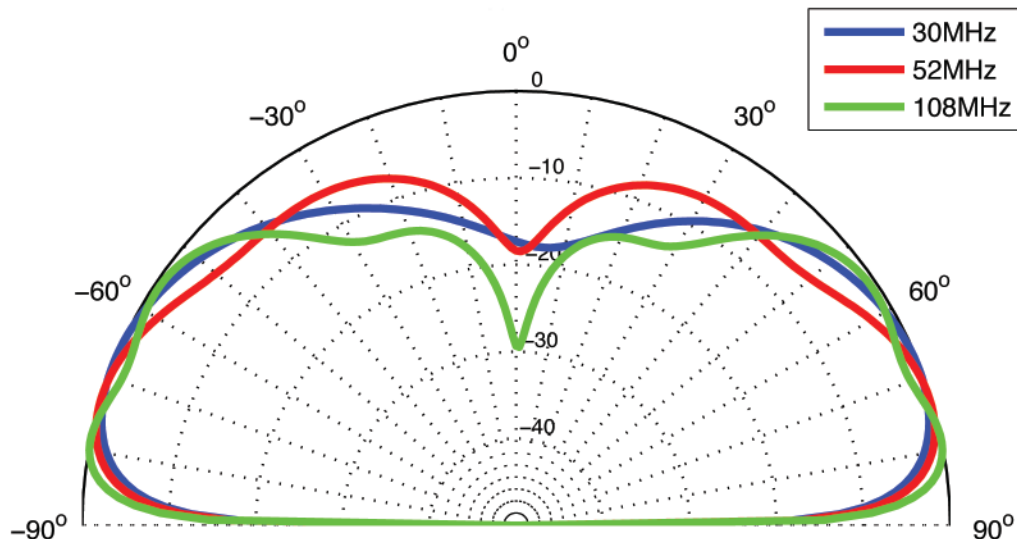
- Meets MIL-STD-810F

Mechanical

- **RF Connector**
TNC male
- **Deployed Dimensions**
48.5 inch (approx. 123 cm)
- **Stowed Size**
< 17 inch (approx. 43 cm)
- **Weight**
8.7 oz. (0.247 kg)
- **Color**
Black, matte finish

Features

- **Lightweight**
- **Foldable for easy stowage**
- **Integrated hook and loop strap**
- **Durable**
- **Broadband passive matching**



RF-3150-AT152 Typical Radiation Pattern when mounted on the Falcon III manpack over ground

Specifications are subject to change without notice.