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RF-3165-AT122

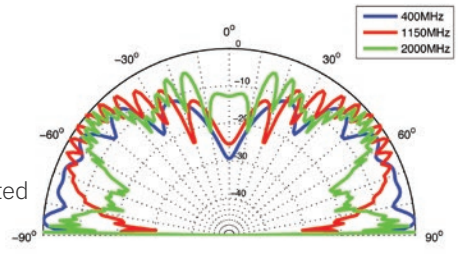
Highband Manpack Antenna, 225-2000 MHz

ELECTRICAL	
Frequency Range	225 – 2,000 MHz
RF Power Capacity	10 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	> -5 dBi at 225 – 450 MHz > -5 dBi at 1,350 – 1,550 MHz > -15 dBi at all other frequencies

ENVIRONMENTAL
Meets MIL-STD-810F

MECHANICAL	
RF Connector	N-type male
Deployed Dimensions	22.5 in (approx. 57 cm)
Weight	14.0 oz (0.397 kg)
Color	Black, matte finish

FEATURES
Ruggedized antenna
Lightweight
Broadband passive matching
Extreme bandwidth
May be removed from manpack and used via a coaxial cable
May be elevated to improve range



RF-3165 Typical Radiation Pattern when mounted on the Falcon III manpack over ground

The RF-3165-AT122 dismount antenna is a center-fed dipole antenna engineered to connect directly to the highband port of the AN/PRC-117G(V)1(C) and RF-7800M-MP Falcon III® manpacks. The antenna features a flexible gooseneck base, a tubular-shaped upper radiator and a passive matching network that supports operation over the full 225 to 2000 MHz band. The RF-3165-AT122 can be attached to a rucksack and tethered to the radio via a coaxial cable to decrease interference with other antennas. With proper elevation of the antenna, this tethered configuration can also enhance overall range performance.

Non-Export Controlled Information

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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1025 W. NASA Boulevard
Melbourne, FL 32919