



**L3HARRIS™**  
FAST. FORWARD.

## RF-1941/RF-1940 SERIES

### HF Manpack, Portable Dipole Antennas

SPECIFICATIONS	
Deployed Dimensions	74.6 m, fully extended (RF-1941) 46.4 m, fully extended (RF-1940) 34 cm x 17 cm x 7 cm, stored
Weight	Approximately 2.3 kg (5.0 lbs)
Color	Olive Drab Green

ENVIRONMENTAL	
Temperature	Operating; -25° to +55°C Storage; (-40° to 70°C)
Relative Humidity	0 to 100%

MECHANICAL	
RF Connector	BNC, male (BNC-to-Type N Adapter included)
RF Coaxial Cable	RG-58 (10 meters)

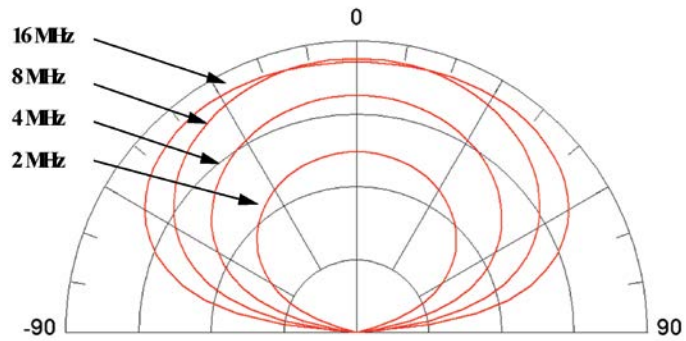
ELECTRICAL	
Frequency Range	2.0 to 30 MHz (RF-1941) 3.0 to 30 MHz (RF-1940)
RF Power Capacity	500 Watts (2.0 MHz to 30 MHz)
Input Impedance	50 ohms (nominal)
Radiation Pattern	See next page
Polarization	<1.5:1
VSWR	6 to 6 dBi depending on mounting configuration and frequency



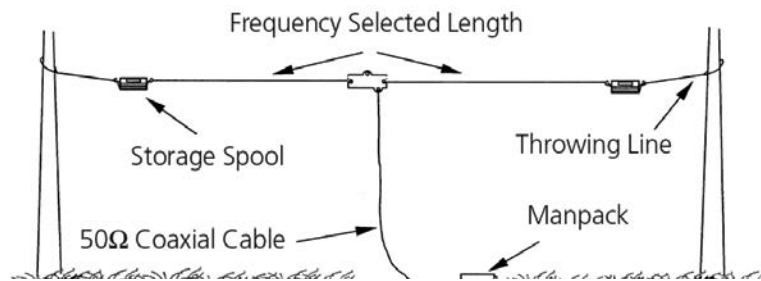
The RF-1941/RF-1940 are lightweight, portable dipole antennas designed for use in the 2 to 30 MHz range with a maximum power of 500 watts. Each antenna is stored on self-contained flat spools with a throwing line to connect to masts, trees, buildings and other structures. The HF antennas can be connected directly to the Falcon® AN/PRC-138, Falcon II® AN/PRC-150 or RF-5800H manpack using the built-in antenna coupler for ALE operation.

The series' flexible design supports deployment as a dipole, sloping dipole, sloping V or as a vertical rhombic antenna depending on support and terminations. The RF-1941 includes a heavy-duty 6" X 12" X 3" bag with strap and clip points for attaching to a military ruck sack.

## RADIATION PATTERNS OVER AVERAGE GROUND



## FAN DIPOLE CONFIGURATION



RF-1941/RF-1940 Series HF Manpack, Portable Dipole Antennas

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### 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.



1025 W. NASA Boulevard  
Melbourne, FL 32919