



**L3HARRIS™**  
FAST. FORWARD.

## RF-1912

### HF Fan Dipole Antenna

MECHANICAL	
RF Connector	Feed line terminal lugs connect directly to RF-382 or RF-2601 Coupler
Installation Time	RF-1912E: 10 minutes for 2 people RF-1912T: 30 minutes for 2 people

ELECTRICAL	
Frequency Range	1.6 to 30 MHz with RF-382 or RF-2601 couplers
RF Power Capacity	1000 W PEP or average
Input Impedance	Compatible with RF-382 or RF-2601 couplers
Radiation Pattern	See back page
Polarization	Fan dipole configuration: horizontal for short-to-medium range skywave Top-loaded monopole configuration: vertical for ground wave or long-range skywave
VSWR	In accordance with RF-382 or RF-2601 coupler specifications
Gain	0 to 6 dBi depending on earth conditions and frequency

PHYSICAL	
Deployed Dimensions	29.10 H x 26 W x 105 L ft (9.09 H x 7.9 W x 32 L m)
Weight	RF-1912E: 7 lbs (3.2 kg) RF-1912T: 135 lbs (60 kg)

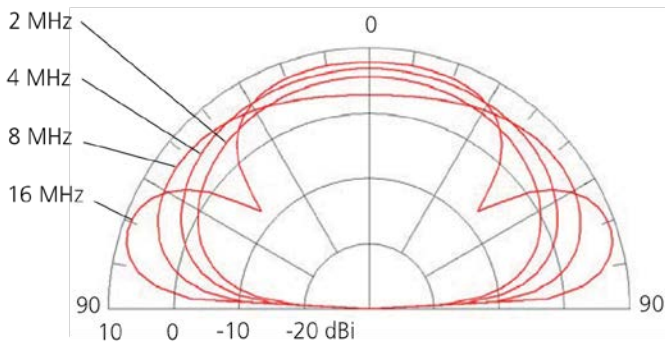
  

ENVIRONMENTAL	
Temperature	Operating: -40°F to +131°F (-40°C to +55°C)
Relative Humidity	0 to 100%

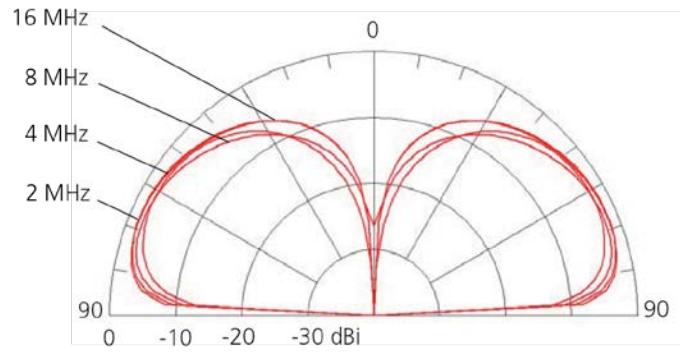


The RF-1912 family consists of three antennas. The RF-1912E includes radiating elements and feedline, the RF-1912T is a RF-1912E with the addition of transportable masts, and the RF-1912B is a RF-1912E with permanent masts. Element length and height above ground optimizes takeoff-angle for HF skywave propagation from NVIS to 2000 kms. The RF-1912 can be configured as a top-loaded monopole for short-range ground wave or long-range skywave. Neither configuration contains resistive loads resulting in near 100% radiation efficiency.

## RADIATION PATTERNS OVER AVERAGE GROUND



FAN DIPOLE CONFIGURATION



TOP LOADED MONOPOLE CONFIGURATION

RF-1912 HF Fan Dipole Antenna  
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### Non-Export Controlled Information

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