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.
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.

RADIATION PATTERNS OVER AVERAGE GROUND

FAN DIPOLE CONFIGURATION

TOP LOADED MONOPOLE CONFIGURATION