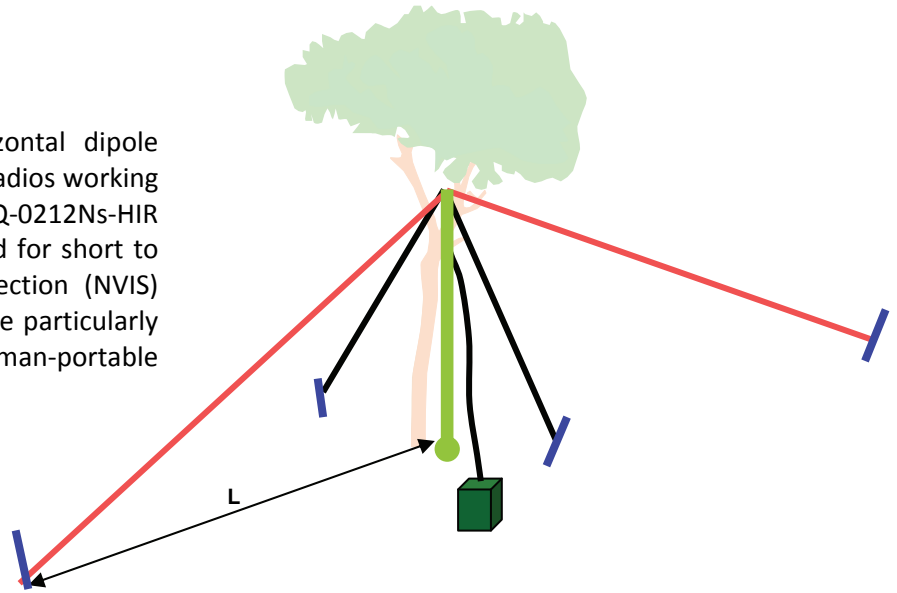


APPLICATION

Tactical wideband wire antennas, horizontal dipole type, designed for use with manpack HF radios working in the 1.6-30MHz frequency band. The HQ-0212Ns-HIR and LIR antennas are specifically designed for short to medium range links by ionosphere reflection (NVIS) with a high reliability. These antennas are particularly suited for use on the Comrod range of man-portable masts.



HQ-0212NS-HIR - L = 25m (15m of wire antenna + 10m of dielectric rope)

HQ-0212NS-LIR - L = 40m (30m of wire antenna + 10m of dielectric rope)



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CONSTRUCTION

The HQ-0212Ns-HIR AND LIR antennas are composed of the following parts:

- a flexible wire radiating assembly based on KEVLAR fibres for a high mechanical resistance
- An adaptor to allow installation of the antenna onto the Comrod 8m tactical mast MV-8/FL.
- a link system for an optimal radio electrical connection with the 'high impedance' entry of the radio set.

MECHANICAL SPECIFICATION

- Support Height (option) : 8m
- Deployment area (operational): HIR - 50 x 20
: LIR - 80 x 20m
- Weight (antenna only) : HIR - 2.3kg
: LIR - 2.8kg
- Transport bag dimensions : 30 x 18 x 8 cm

ENVIRONMENTAL SPECIFICATION

- Wind speed resistance : 120 km/h
- Temperature for operation : -40°C to +70°C
- Salt fog : 96 hours

ELECTRICAL SPECIFICATION

- Frequency band : 1.6 to 30 MHz
- Optimal frequencies : LIR - 2 to 12 MHz
HIR - 2 to 6 MHz
- Mean gain : HIR - 2-6 MHz - 2.7 dBi
2-9 MHz - 4.2 dBi
2-12 MHz - 5.1 dBi
LIR - 2-6 MHz - 3.5 dBi
2-9 MHz - 1.1 dBi
2-12 MHz - 0.7 dBi
- Efficiency : > 50% typical
- Max. Power : 25 Watts
- Polarization : horizontal
- Connection : M10 male + grounding

OPTIONS

- 8m ultra-light support mast MV-8/FL (see specific datasheet)