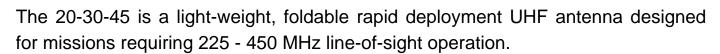


20-30-45
Portable Tactical
UHF Antenna
225 to 450 MHz

FEATURES

- · Lightweight, portable
- Rapidly deployable
- Can be magnetically or tripod mounted
- Folds up for stowage and transportation
- 50 Watts CW
- Wide bandwidth
- Designed to MIL-STD-810 environmental conditions
- Integral Ground Plane



The antenna comprises a monopole element on a fold down ground plane formed by 8 "scissor arms" fitted to the antenna base. A ball and socket arrangement at the antenna base allows for deployment either on a magnetic mount or a lightweight tripod - both of which are supplied with the antenna in a lightweight carry bag.

For fixed vehicular use, the magnet mount is drilled to suit standard CECOM 4 hole fixing pattern.



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SPECIFICATIONS

Cooper Antennas Model 20-30-45 Portable Tactical UHF Antenna

ELECTRICAL

Frequency 225 - 450 MHz

Gain (typical) +2 dBi

VSWR 3.5:1 max, 3.0:1 typical.

Impedance (nominal) 50 Ohms

Power 50 Watts CW

Polarization Linear - vertical when vertically mounted

Antenna Connector BNC Male

Environmental Generally in accordance with MIL-STD-810E

RF Cable 1 each 12 feet (3.6m)

RF Cable Connector BNC Male and Female

MECHANICAL

Height on magnetic mount 23 inches (584mm)

Height on tripod 30 inches (762mm)

Deployed diameter 24 inches (610mm)

Stowed diameter 5.5 inches (140mm)

Base 5.5 inches (140mm) 4 holes on 4.5 inch

(114mm) circle to CECOM standard pattern)

Weight 6 lbs (2.7kg)

FINISH

Black anodised/ lusterless black epoxy paint and black composite material

Supplied complete with 19 inches (483mm) by 6 inches (152mm) carry bag

Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change.

Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.