



20-30-40 CM
UHF COM and EPLRS Antenna
225 to 450 MHz

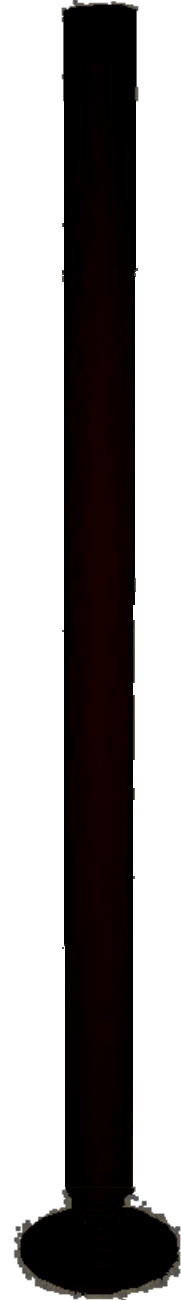
FEATURES

- **Lightweight**
- **Low silhouette**
- **CECOM Mounting base**
- **Robust construction**
- **100 Watts + 1 dBi Gain**
- **Wide Bandwidth**
- **Designed to MIL-STD-810 environmental conditions**
- **Ground plane independent**

The 20-30-40 CM is a high performance, CECOM plate mounted wide band antenna intended for vehicular, mast-head or fixed shelter installations.

The antenna acts as a center fed dipole, with its lower element also acting as an RF choke to minimize pattern corruption from different mounting circumstances.

Lossless matching and the geometry of the antenna feed arrangement combine to produce a very efficient UHF antenna



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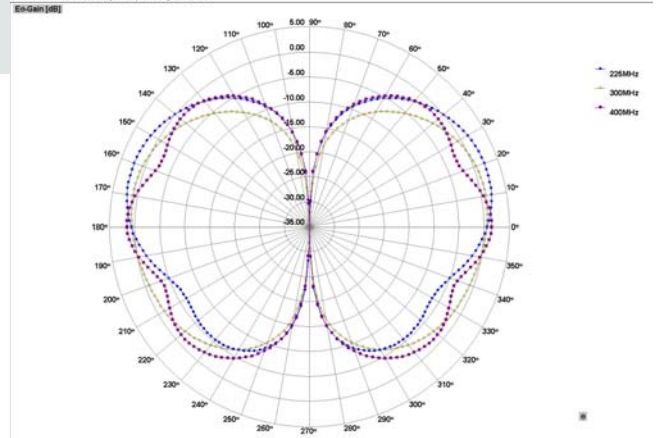
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SPECIFICATIONS

Cooper Antennas Model 20-30-40 CM UHF COM and EPLRS Antenna

ELECTRICAL

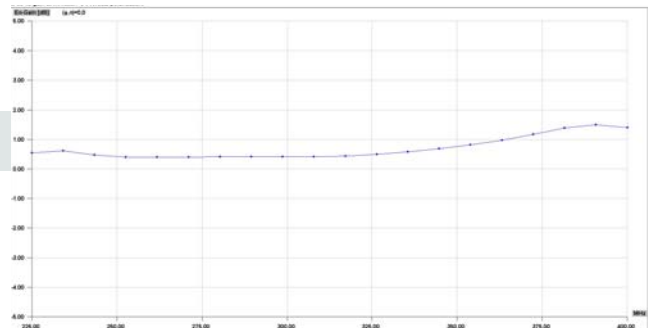
Frequency	225 - 450 MHz
Gain (typical)	+1 dBi average
VSWR	≤ 2.5:1
Impedance (nominal)	50 Ohms
Power	100 Watts CW
Polarization	Linear - vertical when vertically mounted
Antenna Connector	N Female



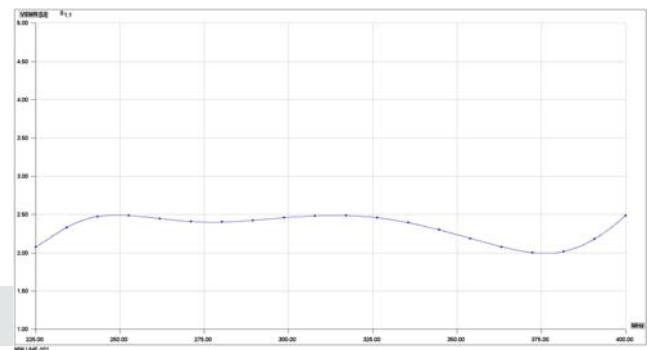
Radiation Pattern

MECHANICAL

Total Height	46.5 inches (1181mm)
Element Diameter	
Antenna	2.25 inches (57mm)
Base	5.5 inches (140mm)
Mounting	4 holes on 4.5 inches (114mm) circle to CECOM standard pattern
Weight	6 lbs (2.7kg)



Gain



VSWR

FINISH

Urethane Lusterless Black

Other finish options are available.
Please specify finish required when ordering.

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.