



20-50-04
Ultra Low Profile
Magnetic Mount Antenna
30 to 512 MHz

FEATURES

- **Rugged Construction**
- **Low silhouette, less than 24 inches tall**
- **Fully environmentally sealed**
- **4 point magnetic mounting**
- **No tuning required over 30-512 MHz**
- **Environmental Design to MIL-STD-810F**
- **Single N-Type Connector**



Designed to provide optimum performance in a low height, type 20-50-04 is a short monopole, wide band antenna built into a rugged cylindrical radome capable of withstanding typical military vehicle operations. This antenna is one of CAL's multiband designs particularly suited to special mission and on-the-move operations. This version has a flat base with magnetic pads for surface mounting on a vehicle with the connector projecting thru the skin into the vehicle. The antenna utilizes the vehicle structure as a counterpoise or ground plane.

The 20-50-04 is foam filled and fully environmentally sealed for worldwide conditions of service.

Cooper Antennas Ltd for non-USA customers
Thames Industrial Estate, Unit K, Fieldhouse Lane,
Buckinghamshire SL7 1TB, UK
Tel: +44 (0) 1628 482 360
Email: sales@cooperantennas.com
www.cooperantennas.com

Aviatech Corporation for USA customers
3001 Lake Creek Drive, Highland Village
Texas 75077, USA
Tel: +1 817-430-4784
Email: sales@aviatechcorp.com
www.aviatechcorp.com

Cooper Antennas Ltd is Accredited to: ISO9001, AS9100, ISO14001 and MAA Approved

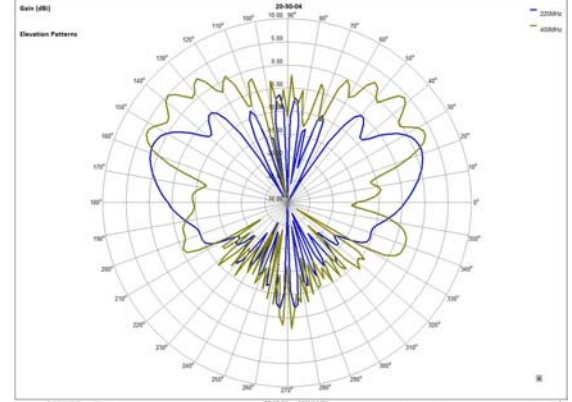
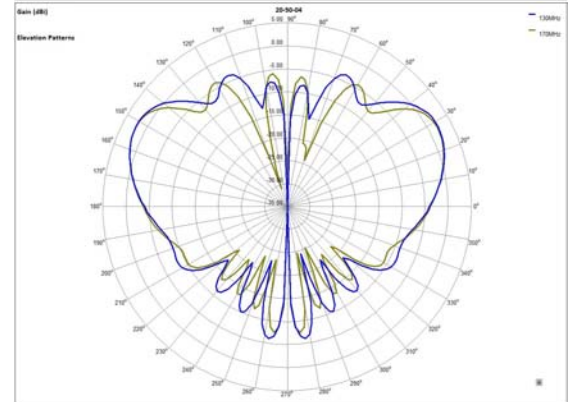
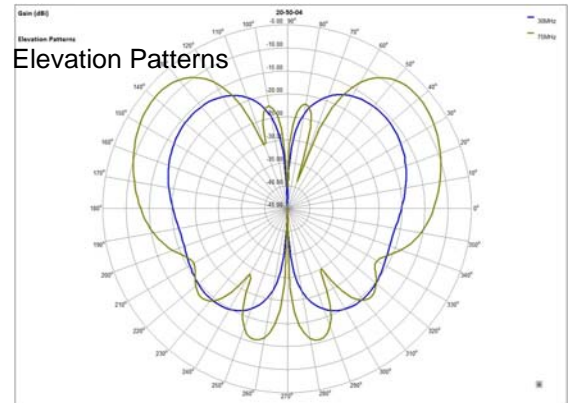
SPECIFICATIONS

Cooper Antennas Model 20-50-04

Ultra Low Profile Magnetic Mount Antenna

ELECTRICAL

Frequency	30-88 MHz 108-174 MHz 225-512 MHz
Gain (typical)	≥ -13dBi ave 30-88 MHz ≥ 0dBi ave 108-174 MHz ≥ 0dBi 225-512 MHz
VSWR	≤ 2.5:1
Patterns	See graphs
Impedance	50 Ohms (nominal)
Power	100 Watts CW
Polarization	Vertical when mounted vertically
Connector	N-Type



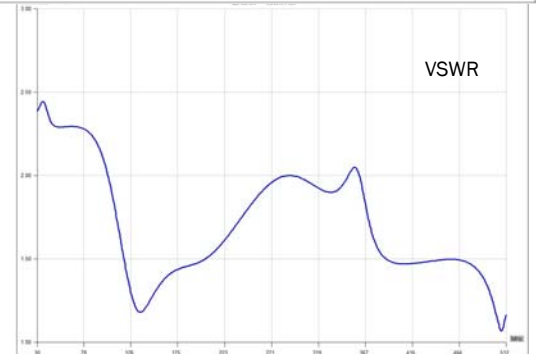
MECHANICAL

Fixings	4 x magnetic mounts
Overall Height	23.6 inches (600mm)
Weight	10 lbs (4.55kg)

FINISH

Finish	Lusterless Black Urethane
---------------	------------------------------

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.