



**20-20-30CM
Tactical VHF Dipole
Antenna
30-110 MHz**

FEATURES

- **Covers entire tactical VHF Band with no tuning required**
- **Low silhouette design**
- **Maximum gain at horizon**
- **Ground plane independent**
- **Omnidirectional pattern**
- **Disassembles to 1.75 metres for transportation**
- **Designed to MIL-STD-810 Environmental Conditions**

The 20-20-30CM is a low silhouette VHF dipole antenna suitable for fixed site and shipboard applications. It provides excellent radiation diagrams and gain over the full 30-110 MHz frequency band.

Constructed from high strength glass/epoxy tubes with foamed-in-place elements, this antenna uses the standard CECOM 4-hole mounting base.

The antenna comprises two sections:- a base unit with integral lower element and an upper half dipole element.

Positive screw locking attachments ensure very quick assembly with no tools required.



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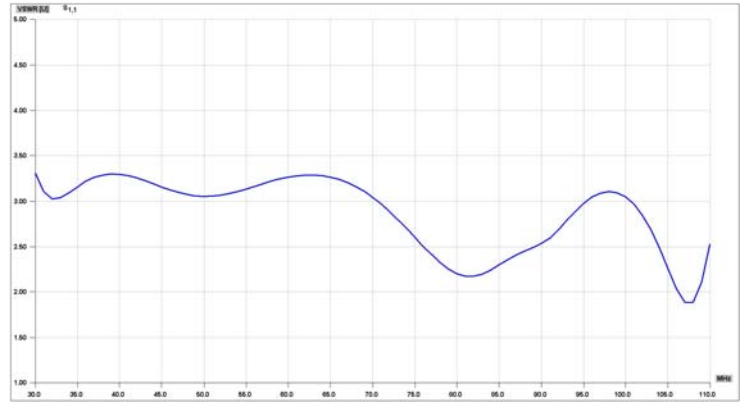
SPECIFICATIONS

Cooper Antennas Model 20-20-30CM Tactical VHF Dipole Antenna

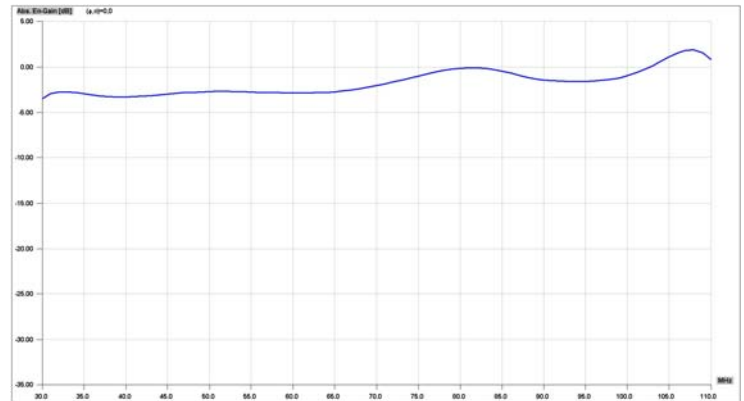
ELECTRICAL

Frequency Range	30-110 MHz
Polarization	Vertical
Impedance	50 ohms (nominal)
VSWR	3.5:1 max (see graph)
Gain (typical)	-3.25 to +2.5 dBi over band (see graph)
Radiation	Omnidirectional in azimuth within ± 1 dB
Power Handling	100 Watts average
Connector	N Type Female
High Voltage protection	> 13.5 kV

VSWR



Gain



MECHANICAL

Height	11 feet (3.3m) max
Weight	15 lbs max
Mounting	CECOM plate with 4 holes on 4.5" diameter pcd

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.