



**20-50-32
VHF/UHF Dipole
Antenna
30-512 MHz**

FEATURES

- **Covers full VHF/UHF Band with no tuning required**
- **Low silhouette design**
- **Separate VHF and UHF dipole elements**
- **Maximum gain at horizon**
- **Ground plane independent**
- **Omnidirectional pattern**
- **Disassembles to 2 metres length**
- **High voltage protected to greater than 13.5 kV**

The 20-50-32 is a low silhouette VHF/UHF twin dipole antenna suitable for vehicular and fixed site applications. It is particularly suited to Special Operations and provides excellent radiation diagrams and gain over the full 30-512 MHz frequency band.

Constructed from high strength glass/epoxy tubes with foamed-in-place elements, this antenna uses the same high reliability spring mounted base technology as developed for the US Army's AS-4697/VRC VHF/UHF vehicular antennas

The antenna comprises three sections:- a base spring unit with unique structural coaxial connection, a lower half dipole element and an upper half dipole element of reduced diameter.

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



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 20-50-32 VHF/UHF Dipole Antenna

ELECTRICAL

Frequency Range	30-108 MHz 115-512 MHz
Polarization	Vertical
Impedance	50 ohms (nominal)
VSWR (max)	3.5:1 VHF 3.0:1 UHF
Gain (typical)	-5.0 to +1.0 dBi VHF -3.0 to +3.0 dBi UHF
Radiation	Omnidirectional in azimuth within ± 1 dB
Power Handling	100 Watts CW
Connectors	VHF BNC Female UHF BNC Female
High Voltage protection	Top element 20kV Lower Element 10 kV

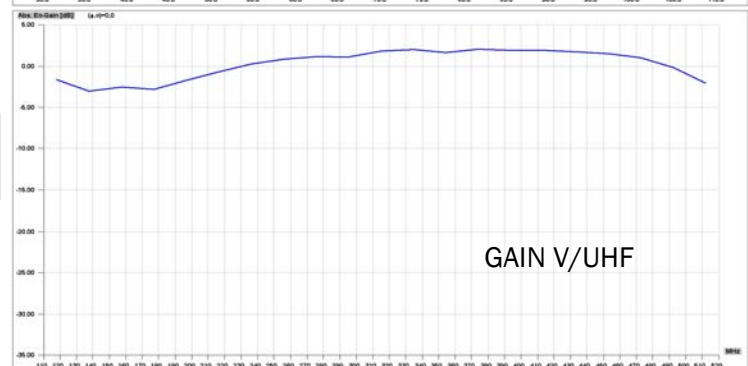
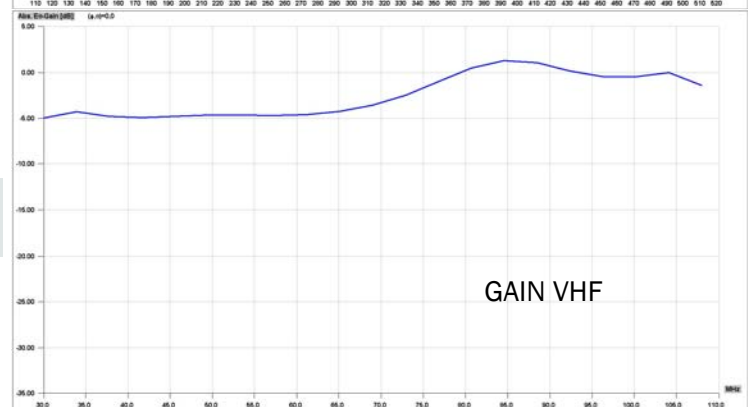
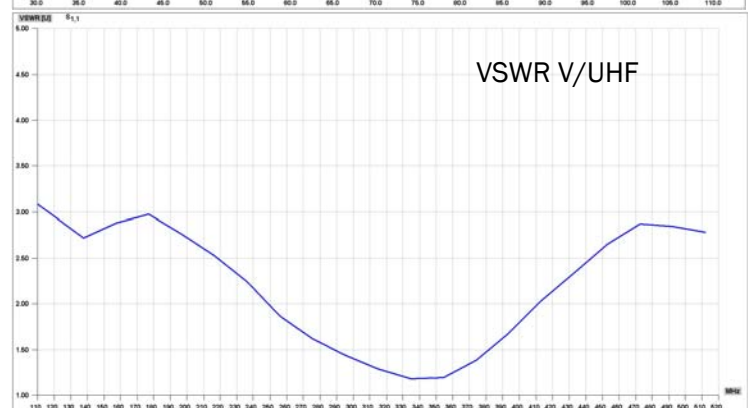
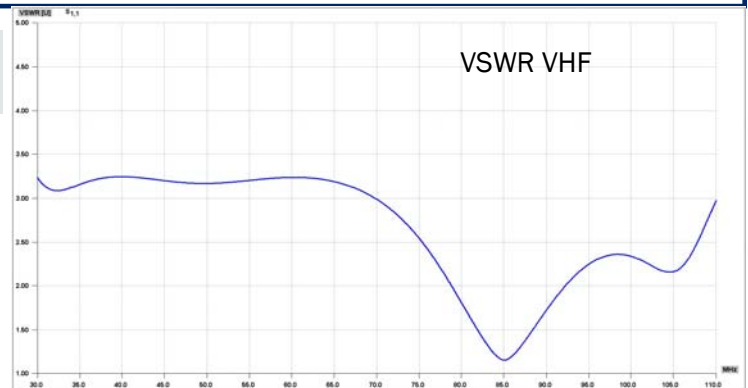
MECHANICAL

Height	11.5 feet (3.5m) max
Weight	10 lbs max
Mounting	CECOM plate with 4 holes on 4.5" diameter pcd

FINISH

Lusterless NATO Green 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.