



20-50-22-3
VHF/UHF Dipole Antenna
118 to 145 & 225 to 400 MHz

FEATURES

- **Rugged, lightweight construction.**
- **Low Silhouette**
- **Full VHF ATC band plus UHF communications**
- **Easy masthead installation via 2” spigot**
- **High radiation efficiency.**
- **Single RF output.**
- **Designed to MIL-STD-810 environmental for all weather operations.**
- **Suitable for fixed, transportable and mast-mounted applications.**

The 20-50-22-3 is a wideband dipole having proprietary feed circuitry to provide operation over the VHF ATC and UHF communication bands. It is ideal for applications requiring co-sited antennas where mutual interference would otherwise be a problem.

Construction uses a high integrity composite cylindrical radome with internally foamed-in-place radiating elements. The antenna has a 2” diameter base spigot for mounting to a mast head and the antenna elements are grounded and fully environmentally sealed.



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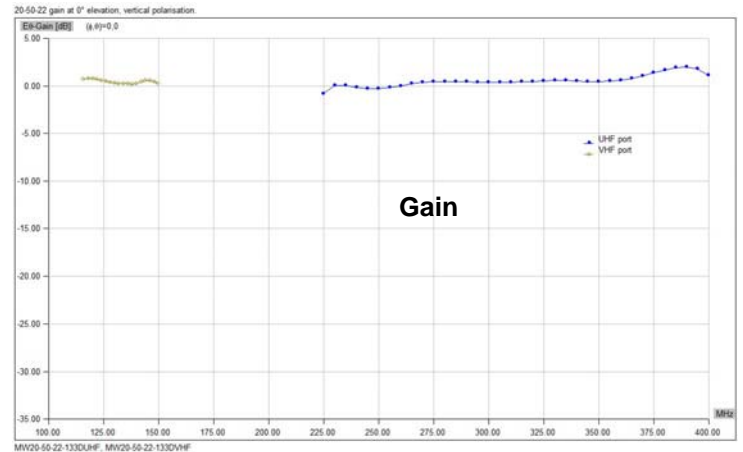
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SPECIFICATIONS

Cooper Antennas Model 20-50-22-3 VHF/UHF Dipole Antenna

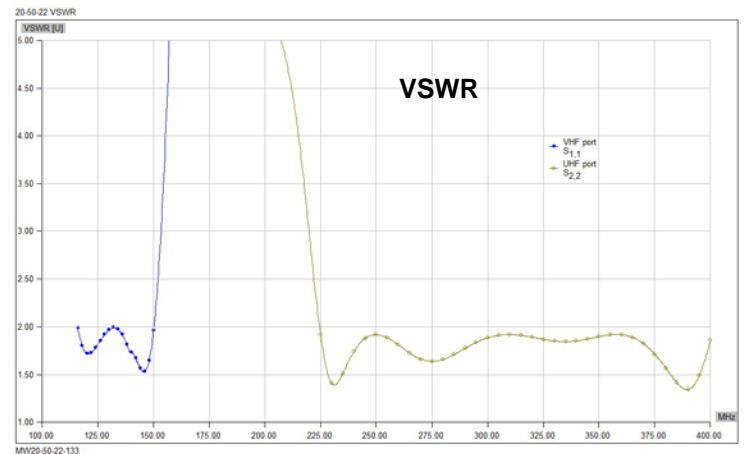
ELECTRICAL

Frequency	118-145 MHz and 225-400 MHz
Gain typical	0 dBi
VSWR	2:2 max
Impedance	50 Ohms (nominal)
Power	50 Watts
Radiation pattern	Omni-directional within ± 1 dB
RF Connector	1 x N Female (UHF)
Operating Temp	-51°C to +71°C



MECHANICAL

Overall Height	84 inches (2134mm) max
Element dia.	3 inches (76.2 mm)
Weight (approx)	10 lbs (4.55kg)
Wind Loading	In excess of 100mph (160km/hr)



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.