



20-20-08
Broadband Dipole Antenna
115 to 162 MHz

FEATURES

- **Covers VHF band 115 to 162 MHz**
- **Robust Glass Reinforced Plastic construction**
- **Lightweight**
- **Designed to MIL-STD-810 Environmental Specification**
- **46.6 inch height**
- **Omnidirectional azimuthal radiation pattern**
- **100 Watts power handling**



Covering the VHF frequency band 115 to 162 MHz, the 20-20-08 is a lightweight antenna intended for ground and shipboard use.

Construction uses an advanced GRP encased radiating element bonded into a machined aluminum base, suitable for prolonged use in a marine shipboard environment.

Unique design ensures good elevation pattern throughout the frequency band and passive matching housed within the base maintains VSWR within 2.0:1 and provides exceptional gain for such a small overall structure.

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

SPECIFICATIONS

Cooper Antennas Model 20-20-08 Broadband Dipole Antenna

ELECTRICAL		MECHANICAL	
Frequency	115-162 MHz	Antenna Shell	GRP radome in aluminium alloy base collar
VSWR	$\leq 2.0:1$	Overall Height	46.62 inches max (1184mm)
Gain	+2 dBi average thru band	Element Dia.	2.25 inches max (57mm)
Impedance	50 Ohms	Weight	4.4 lbs max (2kg)
Power	100 Watts average	Base Plate	Round 4.5 inch (114.3mm) dia.
Polarization	Vertical	Fixing Holes	4 x 0.28 inch (7.1mm) holes of 0.25 inch (6.3mm) bolts on A 3.87 inch (98.3mm) PC dia.
Radiation	Omni-directional in Azimuth		
Connector	N Female		

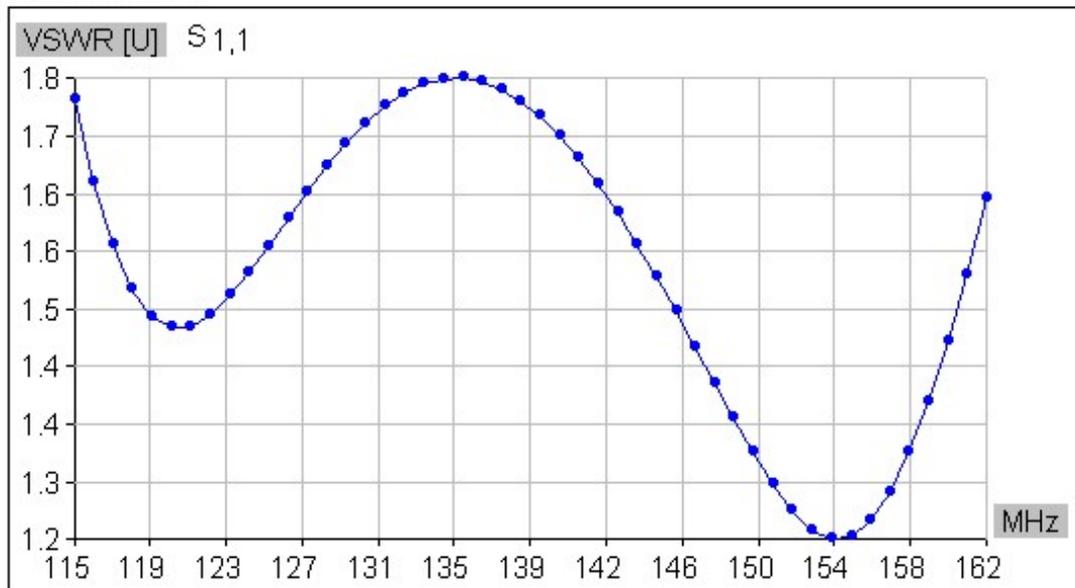
FINISH

Antenna

Urethane Lusterless Grey

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

AS2809 VSWR



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.