



20-20-100
Broadband Dipole Antenna
108 to 152 MHz

FEATURES

- **Covers VHF band 108 to 152 MHz**
- **Robust Glass Reinforced Plastic construction**
- **Lightweight**
- **Designed to MIL-STD-810 Environmental Specification**
- **63 inch height**
- **Omnidirectional azimuthal radiation pattern**
- **100 Watts power handling**



Covering the VHF frequency band 108 to 152 MHz, the 20-20-100 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 20-20-100

Broadband Dipole Antenna

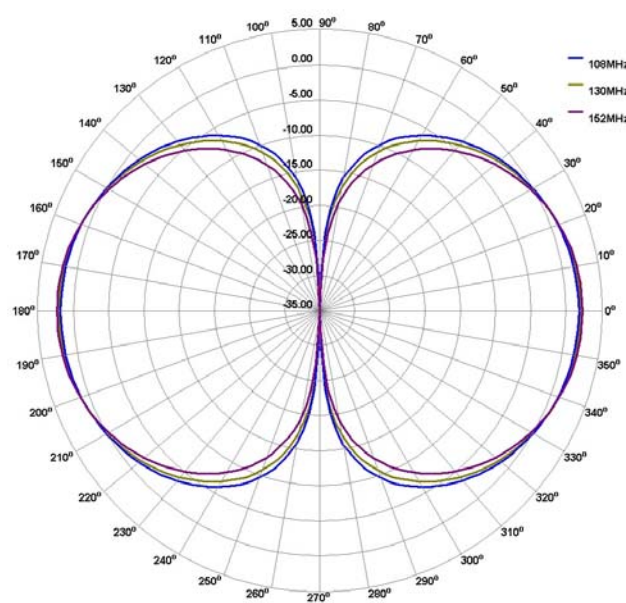
ELECTRICAL		MECHANICAL	
Frequency Band:	108-152 MHz	Antenna Shell	GRP radome in aluminium alloy base collar
VSWR	≤ 2.0:1	Overall Height	63 inches max (1600mm)
Gain	+1.5 dBi average thru band	Element Dia.	2.25 inches max (57mm)
Impedance	50 Ohms	Weight	5.5 lbs max (2.5kg)
Power	100 Watts average	Base Plate Shape:	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 3.87 inch (98.3mm) PC dia.
Radiation	Omni-directional in Azimuth		
Connector	N Female		

FINISH

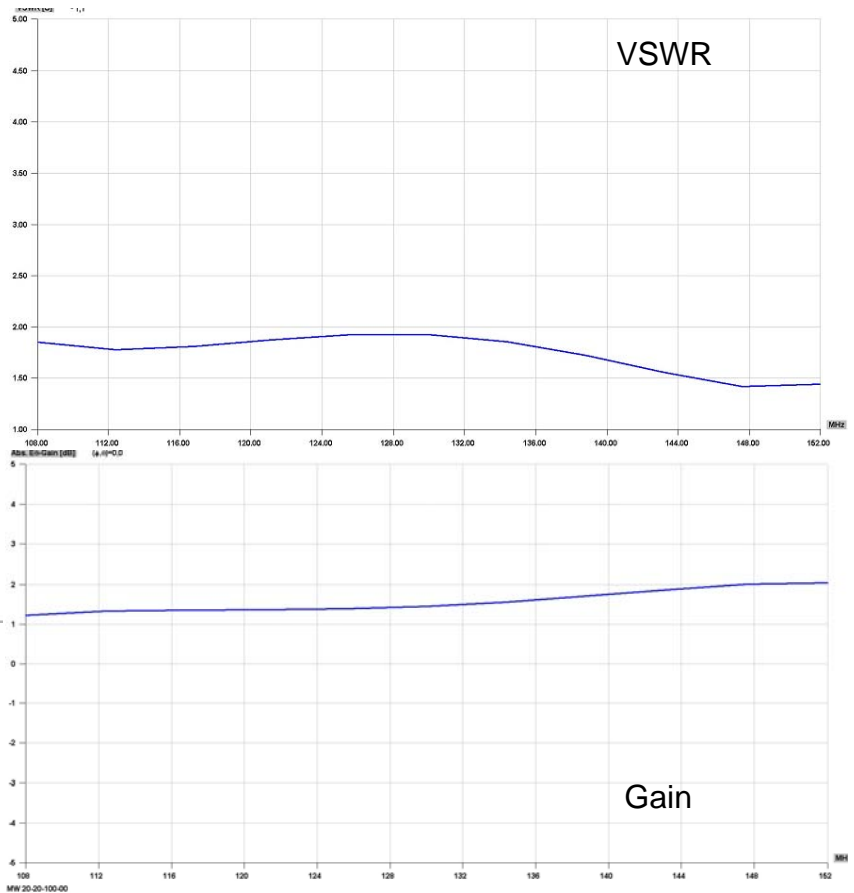
Antenna

Urethane Lusterless Black

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



Radiation Pattern



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.