



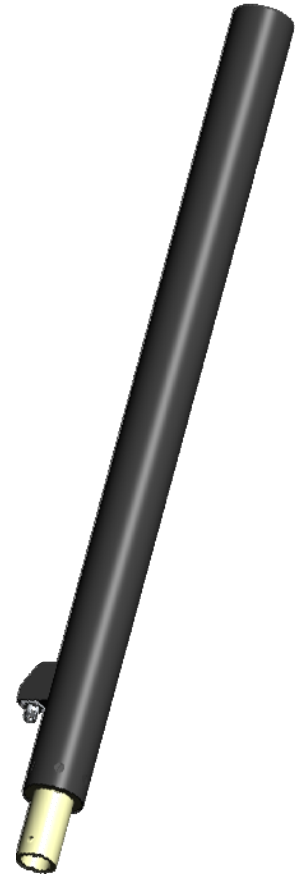
20-40-71

JTIDS Antenna

960 - 1220 MHz

FEATURES

- **Suitable for mast head mount**
- **Covers full JTIDS band**
- **Pattern optimized for highest gain at horizon**
- **Less than 4.5 feet overall height**
- **Rugged design for MIL-STD-810 environment**
- **At least 1 kW peak power, 500W CW**
- **Interchangeable with NSN 5985 01 443 0282**



The 20-40-71 consists of a high strength, low loss cylindrical glass/epoxy radome containing a vertical array of four co-linearly stacked dipoles combined in such a way as to maximize radiation in the horizontal plane (0° elevation).

The array is end-fed enabling the antenna to be ground-plane independent.

The entire assembly is foam filled for long term environmental protection. It has an N type (female) connector and a 2 inch diameter metal fitting to enable mast-head mounting.

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

SPECIFICATIONS

Cooper Antennas Model 20-40-71 JTIDS Antenna

ELECTRICAL

Frequency	960 - 1220 MHz
Gain	+8 dBi average
VSWR	≤ 2.0:1
Impedance	50 Ohms
Power	1000 Watts peak, 500 Watts CW
Polarization	Vertical
RF Connector	N Female
Operational Temperature	-54°C to +70°C

MECHANICAL

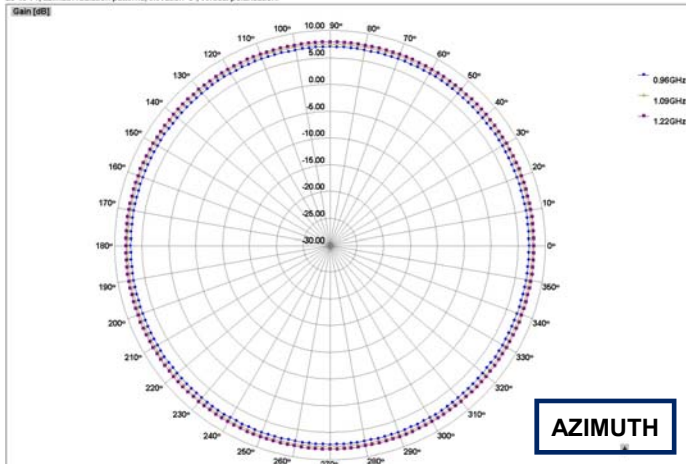
Height	48 inches (1219mm)
Element Diameter	3 inches (76mm)
Diameter of Mount	2 inches (51mm)
Weight (approx.)	8.6 lbs (3.9 kg)

FINISH

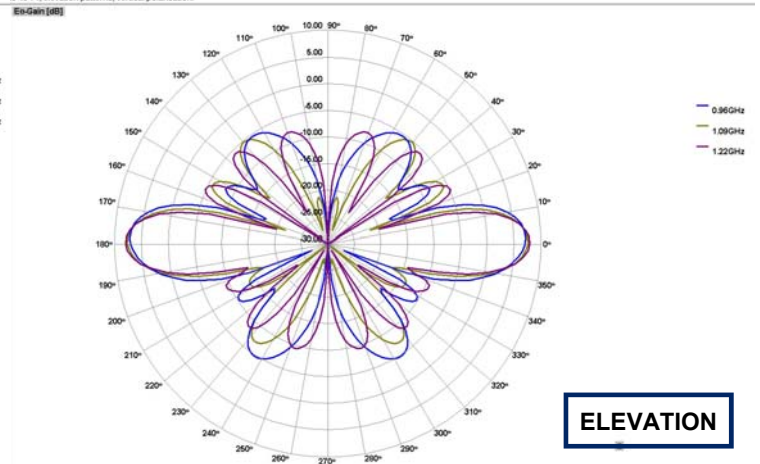
Antenna **CARC Green**

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

20-40-71, azimuth radiation patterns, elevation=0°, vertical polarisation.



0-40-71, elevation patterns, vertical polarisation.



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.