



20-30-200

UHF Antenna

225 - 400 MHz

## FEATURES

- **Suitable for mast head mount**
- **Pattern optimized for highest gain at horizon**
- **Rugged design for MIL-STD-810 environment**
- **High power 200 Watts CW**
- **Hi gain (+7 dBi typical)**

The 20-30-200 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 3 inch diameter metal fitting to enable mast-head mounting.



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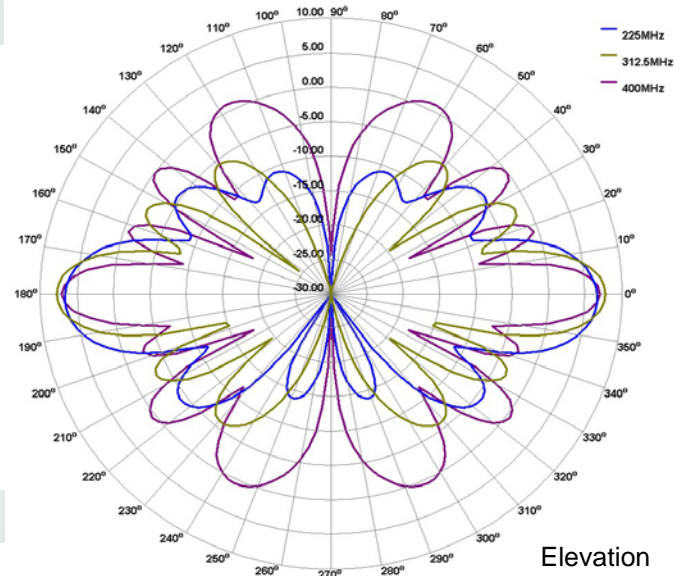
# SPECIFICATIONS

## Cooper Antennas Model 20-30-200

### UHF Antenna

#### ELECTRICAL

<b>Frequency</b>	<b>225 - 400 MHz</b>
<b>Gain</b>	<b>+7 dBi average</b>
<b>VSWR</b>	<b>≤ 2.0:1</b>
<b>Impedance</b>	<b>50 Ohms (nominal)</b>
<b>Power</b>	<b>200 Watts CW</b>
<b>Polarization</b>	<b>Vertical</b>
<b>RF Connector</b>	<b>N Female</b>
<b>Operational Temp</b>	<b>-54°C to +70°C</b>



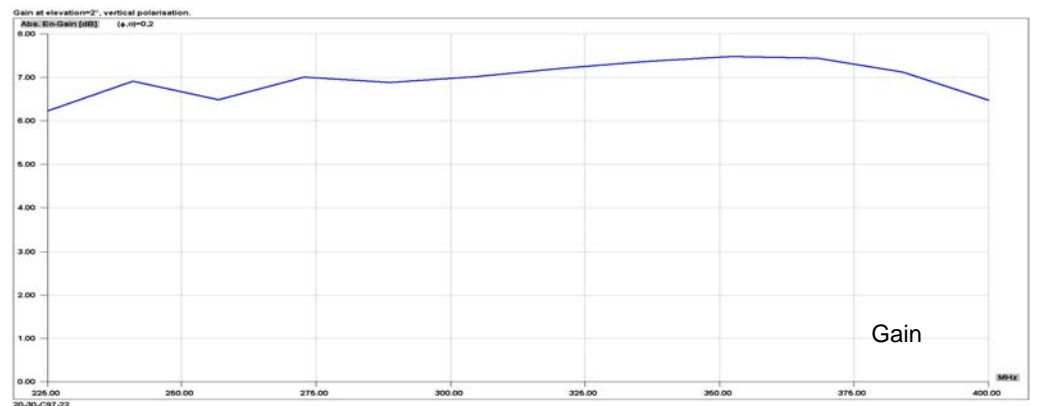
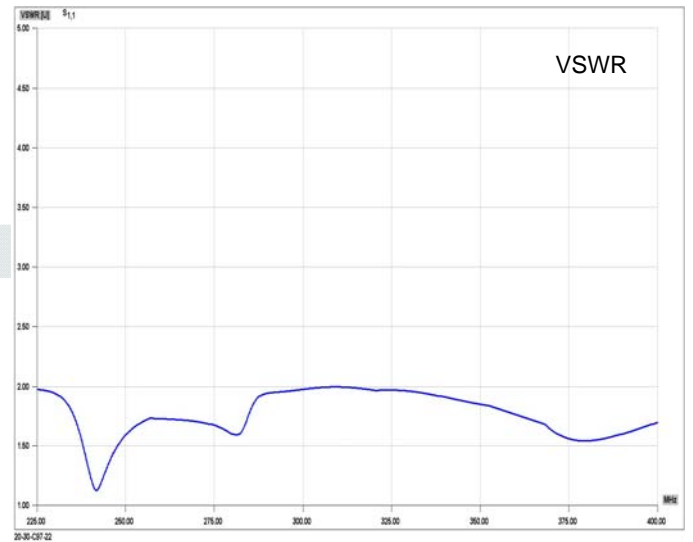
#### MECHANICAL

<b>Height</b>	<b>124 inches (3120mm)</b>
<b>Element Diameter</b>	<b>8.27 inches (210mm)</b>
<b>Diameter of Mount</b>	<b>3 inch (7.62mm)</b>
<b>Weight (approx)</b>	<b>50 lbs (22.7 kg)</b>

#### FINISH

**Antenna**                      **Lusterless Black 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.**