



FEATURES

- **Designed for shipborne installations**
- **Robust construction**
- **Hemispherical radiation pattern coverage**
- **200 Watts CW Power handling**
- **Designed to MIL-STD-810 environmental requirements**
- **4 hole CECOM adaptor plate available**
- **Optional plinths available**
- **Integral DC Protection**
- **Ground plane independent**

**19-30-60
UHF SATCOM
Antenna
240 to 320 MHz**



The 19-30-60 is a rugged UHF Satcom antenna designed for use on shipborne applications operating in worldwide conditions of service and specifically configured to provide satellite capture through near hemispherical radiation pattern coverage.

The 19-30-60 comprises a wide band Quadrifilar Helix, hybrid connected such as to provide essentially Right Hand Circular (RHC) polarization through a 180° solid angle, with relative ground plane independence.

The radiating element dimensions, their height above the antenna base and phasing circuits combine to optimize gain over 25 - 60° equating to low angle satellite capture. The design and general configuration of the 19-30-60 ensures performance is minimally affected by different ground planes and mounting circumstances.

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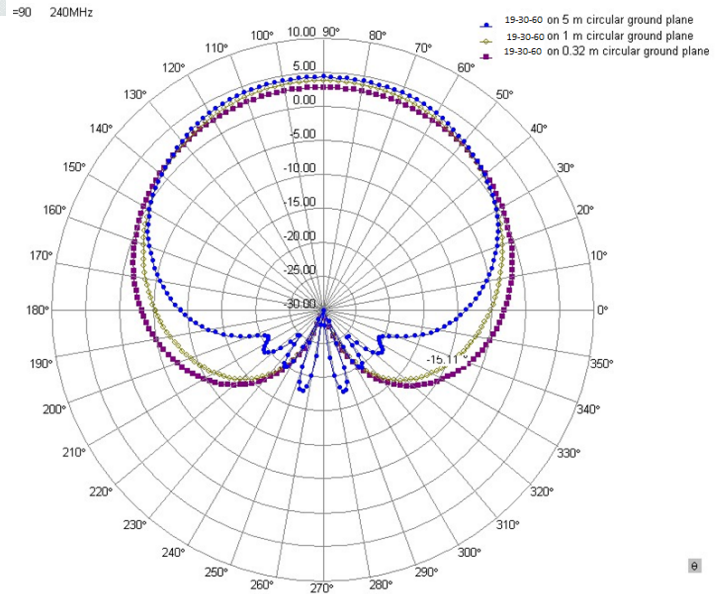
SPECIFICATIONS

Cooper Antennas Model 19-30-60

UHF Satcom Antenna

ELECTRICAL

Frequency	240 - 270 MHz 290 - 320 MHz
Gain (Typical)	
20° to 75°	≥ +2.5 dBiC
75° to 90°	≥ +4.0 dBiC
10° to 20°	≥ -1.0 dBiC
VSWR	≤ 1.5:1
Impedance (nominal)	50 Ohms
Power	200 Watts CW
Polarization	Right Hand Circular
RF Connector	N Female



Pattern at 240 MHz

MECHANICAL

Height	14.17 inches (360mm)
Base Plate Diameter	13.07 inches (332mm)
Weight	10 lbs (4.55kg)

FINISH

Standard : Urethane Grey
Other finish options are available
Please specify finish required when ordering

OPTIONAL EXTRAS

Plinth - part number 26285 or 26286
on request

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.