



21-30-76-1
UHF Satcom Antenna
225 to 400 MHz

FEATURES

- **Aerodynamic design**
- **High strength**
- **Fully environmentally sealed**
- **Covers full UHF Satcom and MUOS Frequency Band Communications**
- **PRC-117G, AN/ARC-210 & AN/ARC-231 compatible**
- **Low wingspan minimizes loading on aircraft structure**



The 21-30-76-1 is a rugged UHF Satcom antenna designed for airborne, ground and shipborne applications. A high strength aerodynamic vertical shell supports a “Bat-Wing” shape horizontal element containing a pair of cross dipoles, connected to provide right hand circularly polarized UHF Satcom coverage including MUOS frequencies.

Cooper Antennas Ltd for non-USA customers
Thames Industrial Estate, Unit K, Fieldhouse Lane,
Buckinghamshire SL7 1TB, UK
Tel: +44 (0) 1628 482 360
Email: sales@cooperantennas.com
www.cooperantennas.com



Australian Representatives
ROJONE, PTY LTD.
Tel: 02 9829 1555
E: sales@rojone.com.au
www.rojone.com.au

SPECIFICATIONS

Cooper Antennas Model 21-30-76-1 UHF Satcom Antenna

ELECTRICAL

Frequency	225 - 400 MHz
Gain	+6.5 dBiC @ zenith
VSWR	≤ 2.0:1
Impedance (nominal)	50 Ohms for both ports
Power	200 Watts CW
Polarization	Right Hand Circular
RF Connector	N Female
Pattern	See Graph

MECHANICAL

Height	10 inches (254mm) max
Wingspan	12.9 inches (328mm)
Weight	10.45 lbs (4.75kg)
Mounting Hole Configuration	8 holes each 0.213 dia. Inches (5.41mm)

ENVIRONMENTAL

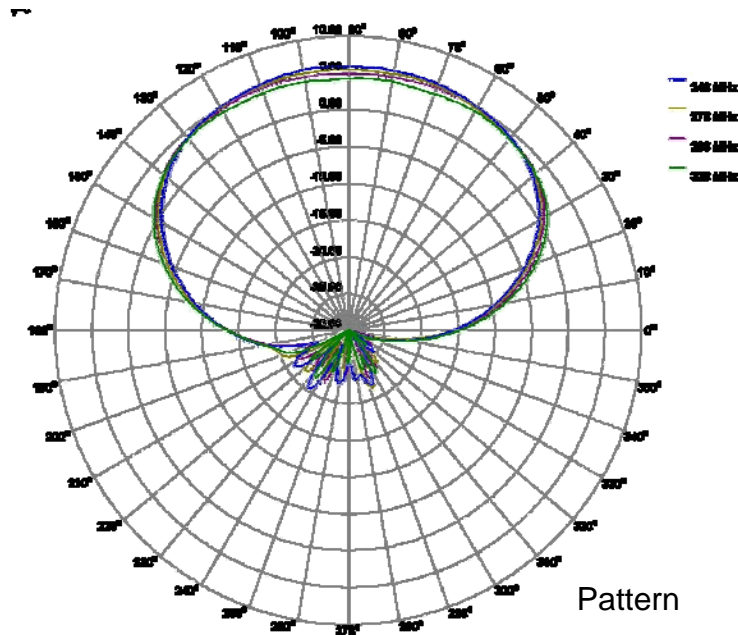
Designed to Environmental	MIL-E-5400 Class 2 MIL-STD-810
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FINISH

Antenna: Urethane Lusterless Black

Baseplate: Unpainted, Alocrom

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.