



FEATURES

- **+ 13 dBiC Gain**
- **200 Watts CW Power**
- **Right Hand Circular Polarization**
- **Tripod or Fixed Mount**
- **All Weather operation**
- **Quick Set-up**
- **Can be adjusted thru 90° elevation, 360° azimuth**



20-30-17R
NSN 5985-99-161-4462
High Gain UHF SATCOM
Base Station Antenna
240 to 318 MHz

The 20-30-17R is a UHF Satellite Communications antenna intended for permanent or semi-permanent installation on a roof, mast or other structure. In certain circumstances it can be used on moving platforms after taking due account of the antenna's length and potential need for tying down.

The 20-30-17R antenna comprises an eleven element cross dipole Yagi array supported on a robust fibreglass mast that in turn is fitted into a circular mounting base having a 4-hole 'CECOM' fixing pattern.

The antenna is right hand circularly polarized and so configured to provide high gain and directivity over the frequency range 240-318 MHz.

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SPECIFICATIONS

Cooper Antennas Model 20-30-17R High Gain UHF SATCOM Base Station Antenna

ELECTRICAL

Frequency	240 - 318 MHz
Gain	+13 dBiC nominal (mid band)
VSWR	≤ 1.5:1
Impedance	50 Ohms
Power	200 Watts CW
Polarization	Right Hand Circular
Antenna Connector	TNC Female
Operational Temperature	-46°C to +70°C

MECHANICAL

Antenna Beam Length	65 inches (1651mm)
Maximum Diameter	23.5 inches (597mm)
Weight (Base Station Antenna)	12 lbs (5.45kg)

FINISH

Black anodised/ lusterless black epoxy paint and black composite material

OPTIONAL EXTRAS

Tripod P/N 20-50-55 can be ordered separately, or combined with the 20-30-17R antenna as P/N 21-30-18R

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.