



PRODUCT SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Heavy-duty galvanized
Az/EI Mount

Fine azimuth and elevation
adjustments

Ku feed assembly with
LNB cover



2.4 m Receive-Only Antenna System

TYPE 243

The two-piece reflector is thermoset-molded for strength and surface accuracy.

The Andrew Corporation 2.4 m Type 243 Offset Receive-Only Antenna is a rugged commercial grade product suitable for the most demanding applications. The two-piece reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of each reflector half is a network of support ribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape.

The Az/EI mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. Heavy-duty lockdown bolts secure the mount to any 6.63" (168 mm)

O.D. mast and prevent slippage in high winds. Hot-dip galvanizing is standard for maximum environmental protection.

- Two-piece precision offset thermoset-molded reflector.
- Fine azimuth and elevation adjustments.
- Galvanized .75" (19 mm) O.D. feed support legs.
- Factory pre-assembled mount.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Available with a wide variety of C-Band or Ku-Band feeds.

One Company. A World of Solutions.

SPECIFICATIONS

TYPE 243 2.4 m Receive-Only Antenna System

RF Performance

	C-Band	Ku-Band
Effective Aperture	2.4 m (96 in)	2.4 m (96in)
Operating Frequency	3.7-4.2 GHz	10.70-12.75 GHz
Polarization	Linear (Circular optional)	Linear (Circular optional)
Gain @ 3.95/11.95 GHz	38.0 dBi	47.6 dBi
3 dB Beamwidth	2.1°	0.7°
Antenna Cross-Polarization	>30 dB on axis (Linear)	>30 dB on axis (Linear)
Antenna Noise Temperature @ 30° Elevation	36°	31°
VSWR	1.4:1	1.3:1
Feed Interface	CPR 229	WR75 Cover Flange (UBR120)

(All specifications typical)

Mechanical Performance

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	Two-Piece Offset Feed Prime Focus
Mount Type	Elevation over Azimuth
Elevation Adjustment Range	10°-90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous; ±12° Fine Adjustment
Mast Pipe Interface	6.63 in (168 mm) Diameter
Wind Loading	Operational 50 mi/h (80 km/h) Survival 125 mi/h (200 km/h)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling



Andrew Corporation
10500 W. 153rd Street
Orland Park, IL 60462 USA

One Company. A World of Solutions.

Customer Support Center
From North America
Telephone: 1-800-255-1479
Fax: 1-800-349-5444
satcom@andrew.com

International
Telephone: +1-708-873-2307
Fax: +1-708-349-5444

Internet: www.andrew.com

All designs, specifications and availabilities of products and services presented in this bulletin are subject to change without notice.

Bulletin PA-100555-EN (6/05)

© 2005 Andrew Corporation, Orland Park, IL 60462 USA