

PRODUCT SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Heavy-duty galvanized Az/El Mount

Fine azimuth and elevation adjustments

RF tested Ku-Band Linear Polarized feed assembly

Type approved for use on Intelsat Satellite System.





2.4 m Ku-Band RxTx Class III Antenna System

Type 243

The Andrew Corporation Type 243
2.4 m Class III RxTx Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to maintain its critical parabolic shape necessary for transmit performance.

The Az/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector and feed support arm. 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 thermosetmolded reflector.
- Heavy-duty galvanized Az/El mount.
- Fine Azimuth and elevation adjustments.
- Galvanized support arm and alignment struts.
- Factory pre-assembled mount.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Includes Ku-Band linear cross-polarized RxTx feed assembly.
- Heavy-duty Class III mount for 25 lb (11 kg) RF electronics (LNB & BUC).

TYPE 243 2.4 m Ku-Band RxTx Class III Antenna System

Type Approval Information*

Antenna Model62-24356-01C

Intelsat StandardStandards G & K-3 (IESS 601)

Approval CodeIA057A00

RF Performance

Effective Aperture		2.4 m (96 in)
Operating Frequency	Rx	
Polarization		Linear, Orthogonal
Gain (±.2 dBi)	Rx	
3 dB Beamwidth	Rx	
$20^{\circ} \le \theta \le 26.3^{\circ}$ $26.3^{\circ} \le \theta \le 48^{\circ}$		3.5 32-25 Log θ
Antenna Cross-Polarization		30 dB on Axis 26 dB in .5 dB contour
Antenna Noise Temperature	. 10° EL 20° El 30° El	46° K
VSWR	Rx	
Isolation, Port to Port	Rx	
Feed Interface		.WR75 Cover Flange (UBR120) (Both Ports)

(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
Feed Support	.Rectangular Section with Alignment Legs
Mast Pipe Interface	.6.63 in (168 mm) Diameter
Wind LoadingOperational	.50 mi/h (80 km/h) .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/ft²
Shock and Vibration	.As Encountered During Shipping and Handling

^{*}See our web site for a complete list of type approvals.



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

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