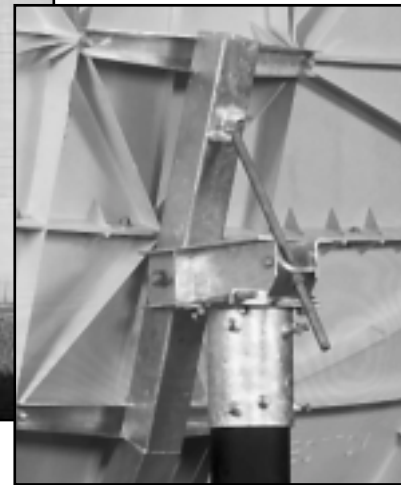
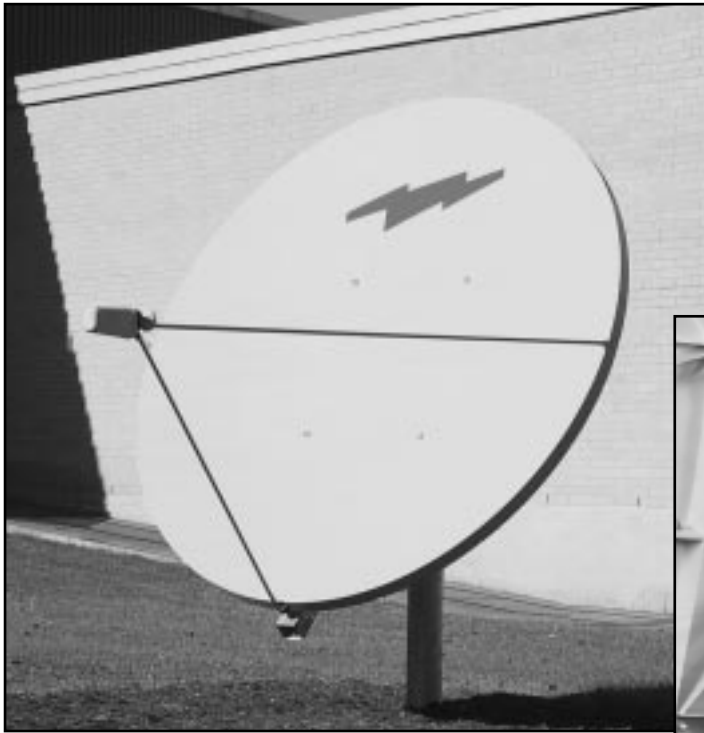


## 2.4m Receive-Only Offset Antenna System



*Heavy-duty galvanized  
Az/EI mount*

### FEATURES

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- Two-piece precision offset thermoset-molded reflector.
- Fine azimuth and elevation adjustments.
- Galvanized .75 in. O.D. feed support legs.
- Factory pre-assembled mount.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Available with a wide variety of Ku-Band feed assemblies.

### DESCRIPTION

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The Andrew Corporation Type 243 2.4m 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 in. O.D. mast and prevent slippage in high winds. Hot-dip galvanizing is standard for maximum environmental protection.

## 2.4m Receive-Only Offset Antenna System

### RF PERFORMANCE

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Effective Aperture	2.4m (96 in.)
Operating Frequency	10.70 - 12.75 GHz
Polarization	Linear (Circular Optional)
Gain ( $\pm 3$ dBi)	47.6 dBi @ 11.95 GHz
3 dB Beamwidth	.71° @ 12.0 GHz
Antenna Cross-Polarization	>30 dB (on axis)
Antenna Noise Temperature @ 30° El**	31°
VSWR	1.3:1 Max.
Feed Interface	WR75 Cover Flange (UBR120)

\*\* Does not include dissipative losses

### MECHANICAL PERFORMANCE

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



*Connecting the Wireless World*

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