TYPE 243: 2.4m C-Band Linear RT/TX Class III Antenna System



PRODUCT SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Heavy-duty galvanized Az/El Mount

Fine azimuth and elevation adjustments

RF tested C-band Linear Polarized feed assembly

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







The Skyware Global Type 243 2.4 m
Class III Rx/Tx 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
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 168 mm (6.63") O.D. mast and prevent slippage in high winds.

Hot-dip galvanizing is standard on this model for maximum environmental protection.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- 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.
- RF tested feed assembly.
- Heavy-duty Class III mount for 11 kg (25 lb) RF electronics (LNB & BUC)



PRODUCT SPECIFICATIONS

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Efffective Aperture	2.4m (96 in)
Operating Frequency TX	5.850 - 6.725 GHz 3.400 - 4.200 GHz
Polarization	Linear, Orthogonal
Gain (±0.3 dB) TX	42.0 dBi @ 6.1GHz 38.0 dBi @ 3.9GHz
3 dB Beamwidth TX RX	1.3° @ 6.1 GHz 2.1° @ 3.9 GHz
Sidelobe Envelope (Tx, Co-Pol of 2.5° $< \theta < 20^{\circ}$	29-25 log θ 3.5 32-25 log θ
Antenna Cross-Polarization	30 db (On Axis)
Antenna Noise Temperature 10° EL	35K°
VSWR TxRx	
Isolation(Port to Port) Tx Rx	60 dB
Feed Interface Tx Rx	Type N or CPR-137 CPR-229

(All specifications typical)

2.4 m C-band Linear Rx/Tx Class III Antenna System

Mechanical Performance

Reflector MaterialGlass 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; \pm 12° Fine Adjustment
Mast Pipe Interface
Enviromental Performance
Wind Loading
Operational
Survival
Temperature
Humidity0 to 100% (Condensing)
AtmosphereStandard Hardware Meets 500 Hrs SST Requirements (ASTM B-117)
Solar Radiation

Shock and Vibration. As Encountered during Shipping and handling





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