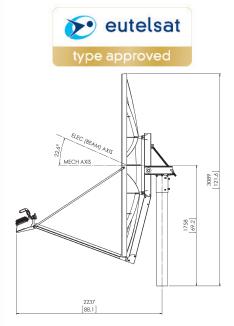
Type 245: 2.4m Rx/Tx Standard Ku-Band SFL Class III Antenna with Mode Matched Feed





- ISO 9001:2008 Certified
- Eutelsat Certificate No. EA-V066
- Two-piece offset SMC Reflector
- Precision Az/El Mount
- Fine Azimuth and Elevation Adjustment Features
- All Materials Comply with EU Directive No. 2002/95/EC (RoHS)
- 720 Hour Salt Spray Hardware
- Standard Waveguide Flange Interface







The Global Skyware2.4m Rx/Tx Standard Ku-Band SFL Class III Antenna with Mode Matched Feed is a rugged, commercial quality product suitable for the most demanding applications. The Antenna features a unique feed which provides cross-pol preformance that exceeds indusstry standards.

- The reflector is constructed from glass fiber reinforced polyester for strength and accuracy. A proprietary process developed by Skyware Global insures high RF reflectivity as needed for Ku Band operation.
- The precision Az/EI mount is made of galvanized steel for excellent corrosion resistance. This mount includes special features to increase pointing accuracy with low backlash and lockdown error.
- This Az/EI allows the antenna to be installed on standard 168mm [6.63"] OD installation mounts.
- All hardware is plated to 720 hour salt spray standards under ASTM B-117.
- Tx Cross-Polarization Isolation of greater than 31dB within 1dB contour.
- Excellent Tx Port-to-Port Isolation of 90dB or better
- Meets or exceeds regulator agency requirements
- Heavy-duty Class III mount for 11 kg (25 lb) RF Electronics (LNB & BUC) and ≤16W installed power. (BUC support kit may be required depending on application)



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PRODUCT SPECIFICATIONS

RF Performance

Operating Frequency 13.75 -14.50GHz RX 10.70 -12.75GHz
Polarization Linear Orthogonal
Gain (±0.3 dB) TX
3 dB Beamwidth TX
Sidelobe Envelope (Tx, Co-Pol dBi) Eutelsat Standard M
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
Antenna Cross-Polarization within 1dB contour TX
Antenna Noise Temperature 10° EL
VSWR Tx 1.3:1 Max Rx 1.5:1 Max
Tx
Tx 1.3:1 Max Rx 1.5:1 Max Isolation*(Port to Port) .90 dB

2.4m Rx/Tx Standard Ku-Band SFL Class III Antenna with Mode Matched Feed

Mechanical Performance

Reflector Material Glass Fiber Reinforced Composite
Antenna Optics 2-Piece Offset Feed Prime Focus
Mount Type Elevation Over Azimuth
Elevation Adjustment Range
Azimuth Adjustment Range
Feed Support Regular Section with Alignment Legs
Mast Size
Antenna Weight
Enviromental Performance
Windloading Operational Wind Speed80km/h (50 mph)
Survival
Operational Temperature50°C to +80°C

Operational Willu Speed
Survival
Operational Temperature50°C to +80°C
Humidity
Atmosphere
Solar Radiation

Shock and Vibration. As Encountered during



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Shipping and handling

(All specifications typical)
(* With Skyware Global OMT/Filter)