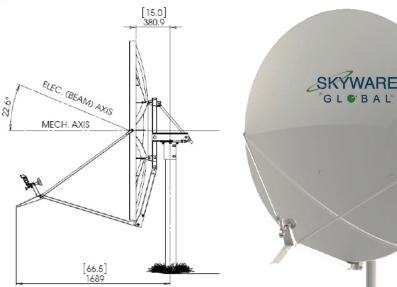
Type 183: 1.8m Rx/Tx Extended Ku-Band SFL Class III Antenna







- ISO 9001:2008 Certificate of Registration
- One-piece precision SMC Reflector
- Precision Az/EI 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 Skyware Global 1.8m Rx/Tx Extended Ku-Band SFL Class III Antenna is a rugged, commercial quality product suitable for the most demanding applications.

- The reflector is constructed from glass fiber reinforced polyester [SMC] for strength and accuracy. A proprietary process developed by Skyware Global ensures 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 (114mm) [4.50"] OD installation mounts.
- All hardware is plated to 720 hour salt spray standards tested in accordance with ASTM B-117.
- Cross-Polarization Isolation of 30dB on axis.
- 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).



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PRODUCT SPECIFICATIONS

RF Performance

1.8m Rx/Tx Extended Ku-Band SFL Class III Antenna

Operating Frequency TX
Polarization Linear Orthogonal
Gain (±0.3 dB) TX
3 dB Beamwidth TX
Sidelobe Envelope (Tx, Co-Pol dBi) Mainbeam q< 20°
Antenna Cross-Polarization
Antenna Noise Temperature 10° EL
VSWR TX. 1.3:1 Max RX. 1.5:1 Max Isolation*(Port to Port) .90 dB TX. .90 dB RX. .40 dB
Feed Interface TX

Reflector	Material.		Glass	F

Mechanical Performance

Fiber Reinforced Composite Antenna Optics One-Piece Offset Feed Prime Focus Mount Type..... Elevation Over Azimuth Elevation Adjustment Range 10°- 90° Continuous Fine Adjustment Feed Support Regular Section with Alignment Legs Antenna Weight Approx 50.52Kg (Not Including Mast)

Environmental Performance

Operational80km/h (50 mph)
Functional Survival
Ultimate Survival
Survival Temperature50°C to +80°C
Operational Temperature40°C to +55°C
Humidity
Atmosphere Standard Hardware 720 Hrs SST Requirements (ASTM B-117)

Shock and Vibration As Encountered during Shipping and handling







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