Satmission Model SML 180FA flyaway antenna offers superior performance in a lightweight, portable package. This antenna features a 7 piece carbon fiber segmented reflector designed to provide high gain and low cross pol characteristics. The custom-designed elevation-over-azimuth tripod pedestal provides high stiffness with minimal weight. The antenna components are modular in design which provides options for motorization and tracking requirements. High performance molded cases are included.

The antenna is designed to meet international performance specifications for commercial or off-the-shelf military applications and is readily available in C, X, Ku, DBS and Ka band frequencies. Multiple feed and integration packages are available with a quick change / quick pack configuration. The integrated boom assembly with BUC and LNB packs in a single case for quick installation.

**Integrated feedbooms can be supplied which will allow a quick change from one frequency band to another.**

- Intelsat & Eutelsat Compliant
- Multi-Band C, X, Ku, DBS and Ka Band Frequencies
- Integrated Feedboom Assembly Option
- Compact Packaging
- Superior Stability in Wind
- Excellent Reliability
- Minimal Maintenance
- Less than 15 min Assembly Time
## Technical Specifications

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</table>

### Mechanical / Environmental Specifications

- **Reflector** 1,8 meters Carbon Fiber
- **Reflector Configuration** Parabolic Single Offset, 0.8 F/D (7 pieces)
- **Antenna Travel**
  - **Azimuth** 360° continuous with fine adjust
  - **Elevation** 5 - 90° of reflector bore sight
  - **Polarization** ± 90°
- **Antenna Packaging**
  - **Case 1 - Backbeam & Legs** 114 cm x 64.3 cm x 41.9 cm (45.4 kg)
  - **Case 2 - Az Hub, El Strut, Foot Pads** 95.3 kg x 69.9 cm x 36.8 cm (44.5 kg)
  - **Case 3 & 4 - (7 piece reflector)** 106.7 cm x 33 cm x 87.6 cm (34.5 kg ea.)
- **Total Weight (less feed options)** 168 kg
- **Temperature**
  - **Operational** -30 to 60°C
  - **Survival** -40 to 70°C
- **Pointing Loss (operational winds)** 2dB peak (Ku-band Rx)
- **Winds**
  - **Operational** 40 kph Gusting to 72 kph with ballast or anchors
  - **Optional Wind Strut Accessory** 72 kph
  - **Survival** 96 kph with tie downs / any position
- **Feedboom Mounted Integration** 27.2 kg
- **Rain**
  - **Operational** 5 cm/h
  - **Survival** 10 cm/h
- **Relative Humidity** 0 - 100% (condensing)
- **Solar Radiation** 1000 Kcal/h/m²
- **Radial Ice (survival)** 12.7 mm
- **Corrosive Atmosphere** As encountered in coastal and/or industrial areas

Note: Specifications subject to change without notice

* Feed packaged separately dependent on options ordered
** Performance dependent on proper installation and ballast/anchors
*** Dependent on position of weight. Consult Engineering for details

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