



# SKY 180 Ka Fixed Terminal



## Key Features:

- Sealed RF chain
- All passive cooling for improved reliability
- Worldwide operation - Full Ka coverage with flexible polarization (5 watt option)
- Inmarsat Global Xpress® configurations are available (5 watt option)

### EIRP

#### **3 watt transmit**

57.3 dBW @ 29.5GHz, P1dB

#### **5 watt transmit**

59.5 dBW @ 29.5GHz, P1dB

### G/T

26.1 dB/K @ 19.7GHz

30°Ei, clear skies



The SKY 180 Terminal is an enterprise product suitable for fixed and semi-fixed applications. It is made up of a 1.8m composite antenna and an integrated transceiver. When integrated with the DRC3500 5 watt transceiver, the SKY 180 offers truly global operation with flexible polarization and full Ka-Band transmit coverage from 29 to 31 GHz. Configurations are available with out-of-the-box compatibility with Inmarsat's Global Xpress® Commercial (29-30 GHz) Ka-Band Network (5 watt option).

The reflector is manufactured from a proprietary compound developed especially for Ka-Band applications to ensure an accurate surface profile and robust mechanical properties. The heavy-duty back-structure and Az/EI mount provide rigid support for the reflector and incorporate fine Azimuth and Elevation mechanisms with features to minimize backlash and lockdown errors.

The integrated Ka transceiver houses the BUC, PLL LNB and waveguide components in a sealed, IP-rated unit for protection against the environment and is fanless in order to improve reliability.

- *Proprietary composite reflector for maximum Ka-Band performance*
- *RF chain housed in sealed unit for improved environmental ruggedness*
- *Features to minimize backlash and lockdown errors for accurate pointing*
- *Extreme environment option*
- *Optional Non-Penetrating Roof Mount*
- *Compatible with standard VSAT modems*
- *3W and 5W options*

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