AURORA
SATCOM TERMINAL

TECHNICAL DATA

Operating frequency:
TX: 27–31.5 GHz
RX: 17.7–21.2 GHz

Instantaneous Bandwidth: 2 GHz

EIRP: 64 dBm

G/T: >14 dB/K

XPD: >27 dB

Maximum beam steering angle:
electronic: azimuth: ±65°
elevation: ±65°

Maximum antenna positioning angle:
manual (initial): azimuth: ±180°
elevation: ±90°

Supported operation modes: TDMA, FDMA (SCPC), HTS

Number of beams: 2 simultaneous beams at any orbit

Maximum data rate: 2 Gbps

LAN interface: Ethernet

Power input: 24 VDC / 650W

Operating temperature range: from -40°C to 55°C

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THORIUM
SPACE TECHNOLOGY

AURORA
SATCOM TERMINAL

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Ultra-flat design
AESA Multi-Beam Technology

Passive cooling
Meeting NATO requirements

Fully
autonomous operations

100% made in EU
no ITAR restrictions

Compatibility with
LEO/MEO/GEO orbits

Build-In cyber protection
with individual chip activation modes

Meeting all the requirements
of global operators and ITU
(Eutelsat, SES)

Best in class Thorium chipset
highest integration
and lowest production cost

Full duplex double beam
simultaneous mode (satellite roaming)