

# TRACKER 2600 TT

Frequency Flexibility. Platform Scalability. A Heritage of Reliability.  
Any Orbit. Any Network. Anywhere.

Product Sheet

**COBHAM**  
**SATCOM**  
Connecting the future



**The Cobham Satcom Tactical TRACKER 2.6m X-Y antenna is designed to enable a new range of services and applications, utilizing GEO, MEO and LEO satellites, combining high performance and reliability with ease of installation and use.**

#### **Designed for flexibility, future-proof**

With Cobham Satcom's unsurpassed pointing accuracy, the Tactical Tracker is designed to meet RF, pointing and performance specifications for LEO/MEO/GEO networks and operators providing long term flexibility. Users can quickly switch between satellite orbits and operators. The X-Y Axis pedestal provides excellent high-speed performance for multiple applications, including rapid retrace to enable for "break before make" single antenna, single modem topology on MEO.

#### **Compact and high performance**

The Tactical Tracker is a compact, modular, and cost-effective user terminal that provides secure, mission-critical data and control links for a growing range of defense and government applications. Toolless assembly time is less than 30 minutes, making this system satellite acquisition ready. The servo systems provide full-motion control for continuous operation designed for high duty cycle LEO/MEO satellite tracking. The parabolic reflector is a segmented carbon fiber composite reflector with a high-performance servo control system.

Any of our antenna products including our tactical tracking antennas can be customized for your requirement.

#### **Unique Features**

- Using OpenAMIP v1.7 and OpenBMIP
- User-friendly assembly, operation, disassembly and pack-up
- Adjustable leveling on each leg
- Less than 30-minute total set-up & satellite acquisition
- Meets MIL-STD-1472G pack up two-man lift/carry (270lb)
- Full hemispheric coverage with X/Y Positioner

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## 2.6-meter X-Y Tactical Antenna Ka-Band



### MECHANICAL/ ENVIRONMENTAL SPECIFICATION

Reflector	2.6m Carbon Fiber
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<b>Reflector Configuration</b>	Segmented Symmetrical
Antenna Travel	Torque Mode Servo
X-axis	+/-90o continuous, > 15 deg/sec
Y-axis	+/-90o continuous, > 15 deg/sec

### Packaging (3 cases)

Reflector	TBD
Positioner	TBD
Pedestal /Controller Component	TBD

### RF / ELECTRICAL SPECIFICATIONS

FEED	4-PORT KA-BAND	
<b>RF</b>	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	17.7 - 22.2	27.5 - 31.0
Polarization	Circular Co- and Cross-Pol	
Gain (Mid-Band)	52.1	55.1
Beamwidth, Midband (3dB)	0.42	0.28
Axial Ratio	1.5	1.0
Sideloobe Compliances	ITU-580	
EIRP	71.1 using 40W BUC	
VSWR	1.35:1	1.30:1
Tx/Rx Feed Isolation	-70 dB	
G/T (10deg EL, dB/K)	28.4	
G/T (20deg EL, dB/K)	29.1	
G/T (40deg EL, dB/K)	29.8	

### Servo Control System

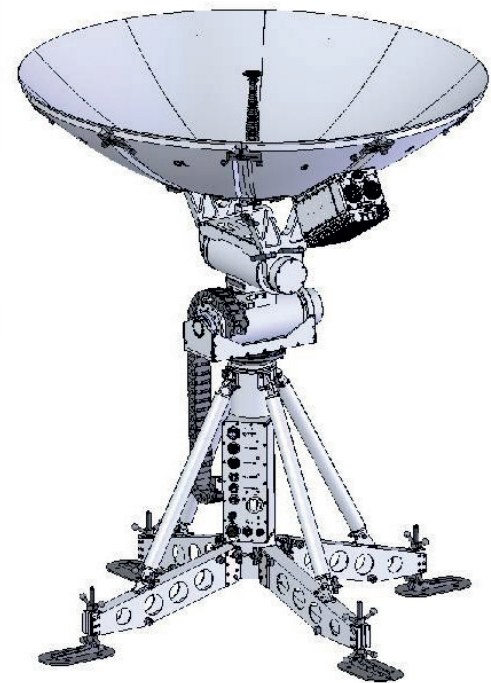
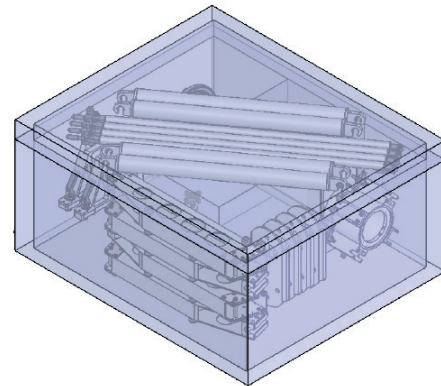
Pedestal Mounted with	
Ethernet Interface	90-265 VAC Input Power, 600 Watts
Autolocate Features	GPS/ Flux Gate Compass
Tracking	Sun Tracking, TLE Tracking, Program Tracking, Dish Scan

### Temperature

Operational	-30o to 60o C (-22o to 140o F)
Survival	-40o to 70o C (-40o to 158o F)

### Winds

Operat	
Surviva	



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