Complete VSAT Interference Mitigation
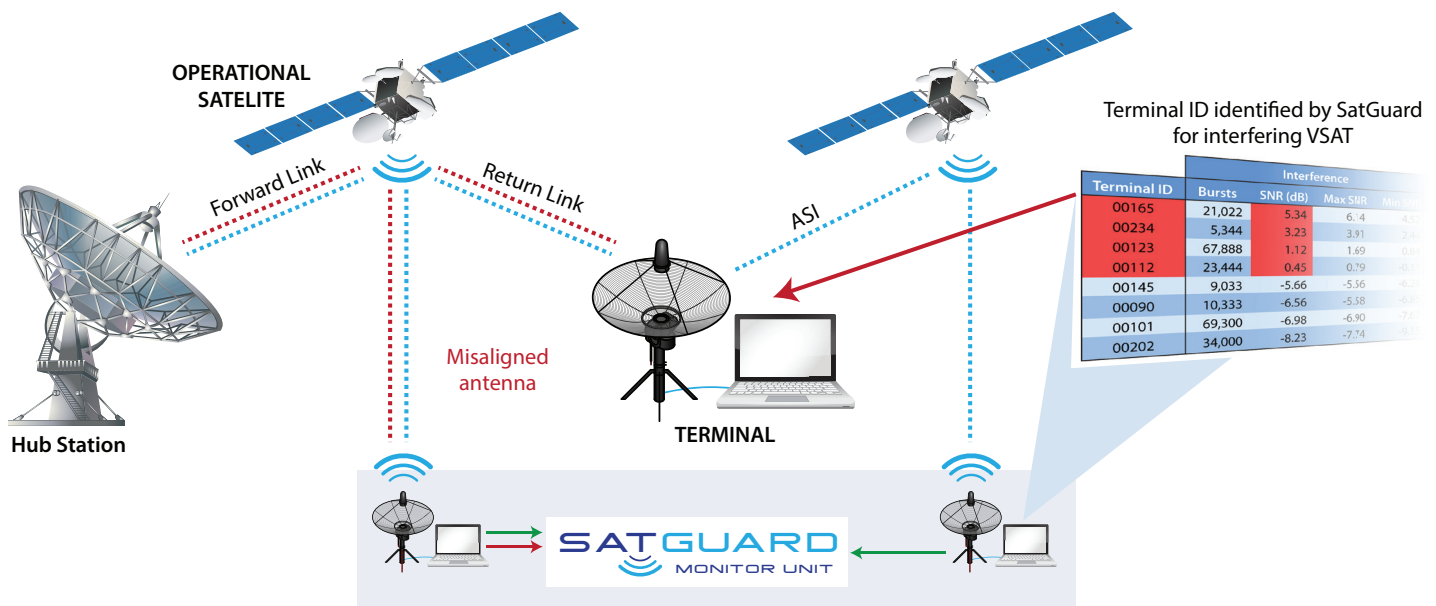## In minutes - scan, identify, locate and resolve interfering terminals…

KRATOS®

Interference continues to be a wide spread issue with 93% of the satellite industry suffering the effects, whether it's a once a week or yearly occurrence. A significant source of that interference is due to VSAT systems that cause approximately 40% of all interference, and are responsible for 50% of the downtime according to the Satellite Interference Reduction Group (IRG). Interference issues from VSATs are highly complex, time-consuming, costly and resource intensive to solve.

Ending VSAT Interference in Minutes

Today's signal management tools perform RF characterization, providing only limited insight into the VSAT networks with no actionable intelligence to resolve the interference effectively. Kratos has added new capabilities to guard against VSAT interference in this previously unpoliced environment. These new capabilities can in minutes scan, identify, locate and resolve interfering VSAT terminals.

Kratos' new VSAT mitigation capabilities identify the source of ASI and XPOL by the VSAT terminal ID

Kratos' Comprehensive VSAT Mitigation Capabilities

The capabilities are part of the industry leading Monics RF Management product suite used by the majority of the of the world's largest satellite operators, service providers and telecommunications providers to monitor over 200 sites in 60 countries around the globe. The comprehensive capabilities include:

Scan: Perform automatic classification of TDMA carriers

- Determine VSAT carriers and properties
- Perform TDMA analysis on signals
- Classify GSM interference and decode base station IDs
- Supports carrier cancellation for PCMA carriers
- Available within Monics product suite

Identify: Provide real-time VSAT interference management

- Monitor and demodulate operational VSAT links
- Identify VSAT terminals causing interference in minutes
- Report on power level in the interfered channel for terminal IDs
- Supports open standard and major proprietary VSAT technology

Locate: Enable geolocation of VSAT terminals by terminal ID

- Geolocate VSAT terminals in the network and classify by terminal ID with enhanced satID capability
- Determine the physical location of the terminal causing interference
- Locate interference where ID alone is not enough
- Identify 'leaky' VSAT terminals near GSM/radio tower
- Available within satID product

Monitor: Analyze IP traffic from VSAT networks in real-time

- Monitors IP traffic loading in VSAT networks
- Supports open and proprietary technologies
- Flexible and scalable to support a range of systems and aggregated capacities
- Supports lawful intercept applications

Optimize Satellite Operations and Maximize Business Results

The VSAT interference mitigation capabilities enable satellite operations to be optimized thereby maximizing business results.

- **Accelerate Troubleshooting**

  Identify interference caused by VSAT terminals in minutes instead of weeks and months
- **Optimize Workforce Productivity**

  Reduce costly staff time mitigating VSAT interference events
- **Improve Customer Satisfaction**

  Deliver better QoS for your customers
- **Assure Revenue**

  Minimize high contract penalties and SLA credits