

Signal Management and Monitoring

On September 17th, 2019, iDirect Government acquired Glowlink Communications Technologies, an industry leader in innovative solutions for fighting satellite interference and improving the quality and integrity of satellite communications. A leader in military SATCOM, iDirectGov now brings you the Signal Management and Monitoring product suite providing high-level interference planning, spectrum monitoring, geolocation, and interference removal to directly complement our existing portfolio of satellite routers, hubs and line cards.

The Satellite Access Management System (SAMS™)

SAMS™ is a powerful satellite capacity and link planning tool used for designing and organizing space, ground, and network assets that support satellite communications. By using SAMS, satellite traffic planners can manage their network traffic, and perform link budget analyses to optimize space assets while meeting data throughput needs. Designed for both fixed and mobile networks, SAMS provides network-wide visibility and performance assessment.



PLAN:
SAMS™



DETECT:
iDirect Government Spectrum
Monitoring Tools



LOCATE:
iDirect Government Model 8000



REMOVE:
The GS380X

The iDirect Government Spectrum Monitoring Tools

The iDirect Government spectrum monitoring tools perform automatic and operator directed spectrum monitoring to: detect interferences and unauthorized users, measure carrier and transponder performance and generate out-of-tolerance alarms. These tools allow the user to measure and analyze the magnitude of an input signal versus frequency within a frequency range.

The iDirect Government Model 8000

The iDirect Government Model 8000 interference and geolocation system allows operators to view real-time spectra on both primary and adjacent satellites for the detection and characterization of interference. The Model 8000 seamlessly transitions from detecting the interference to geolocating the interference with the click of a button.



iDirect Government Model 8000

The GS380X

The GS380X uses Communications Signal Interference Removal (CSIR™)* technology, a real-time application for the communications signal interference removal and noise reduction, separation, monitoring and analysis and the geolocation of satellite signal emitters. The GS380X is designed to excise interferences in real-time from a communication signal before the signal reaches the receiver. Thus the demodulation part of the communication channel never “sees” the interference and as a result is never adversely affected. This technology is applicable in both stationary and mobile networks including maritime and airborne.

* CSIR is controlled under the jurisdiction of the International Traffic in Arms Regulations (ITAR).