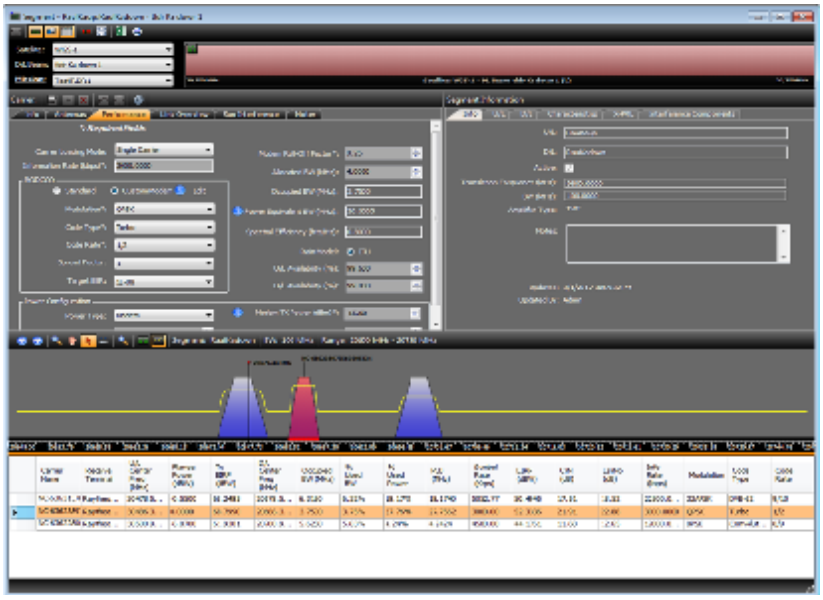
SATELLITE ACCESS MANAGEMENT SYSTEM (SAMS™)

ST Engineering

SAMS™ satellite capacity and link planning software tool is designed for operators to plan satellite communication traffic, perform link budget analysis and optimize space assets to meet data throughput and link performance objectives.

Designed for both fixed and mobile networks in all environments – land, air and sea – SAMS easy-to-use graphical interface is the intuitive way to plan traffic links and predict their performance on a link-by-link or network-wide basis.

Used as either a stand-alone link planning tool or integrated with our spectrum monitoring system for an end-to-end all-inclusive network planning and management solution. This all-inclusive solution provides real-time carrier measurements that can be incorporated into the refinement and assessment of planned traffic. These spectrum plans can subsequently be loaded into the monitoring system so the planned traffic can be immediately monitored for performance verification.



Key Features

- Plan, predict and optimize satellite link throughput and performance
- Designed for fixed and mobile networks – land, air and sea
- Track transponder leases and capacity utilization
- Generate and export link buget reports and transmission plan
- Link performance comparison report showing throughput vs. BER vs. Power Margin as well as modulation/coding alternatives
- Ability to enter satellite configuration details as well as import GXT footprint files
- Define and inventory terminal performance and characteristics
- Seamlessly integrate with ST Engineering iDirect's spectrum monitoring products

powered by Newtec iDirect

Glowlink GS380X

Supported Signal Types

Signal Type	Digitally modulated communication signals
Modulation	Compatible with PSK, APSK, QAM and other modulation
Signal Techniques	Various, including FDMA, TDMA, DSSS, FH, and ACM
Interference Types Removed	Continuous Wave (tone) Modulated Swept Burst Hop signals

RF Characteristics

Input Connector	Type N, 950-2150 MHz, -55 dBm to 0 dBm (max no damage +10 dBm), 50 Ω
Output Connector	Type N, 950-2150 MHz, 50 Ω
10 MHz Reference Input	Type N, 0 to +10 dBm, 50 Ω
Operational Bandwidth	100 MHz
Symbol Rate	250-100,000 ksps
Insertion Loss	0.1 to 0.2 dB, typical

Data Interface

Network	iEthernet (RJ-45)

RF Characteristics

Size	W 19.00 in x D 12.00 in x H 1.75 in (W 48.26 cm x D 30.48 cm x H 4.45 cm)
Weight	6 lbs (2.7 kg)
Temperature	Operational 57.2° to 107.6°F (14° to 42°C)
Humidity	30 to 90%, at 95°F (35°C) non-condensing
Input Voltage	100–240 VAC, 50–60Hz