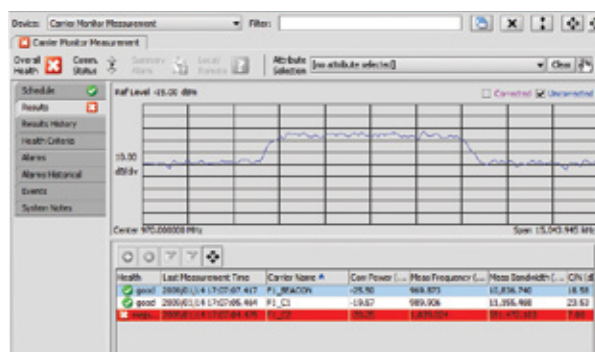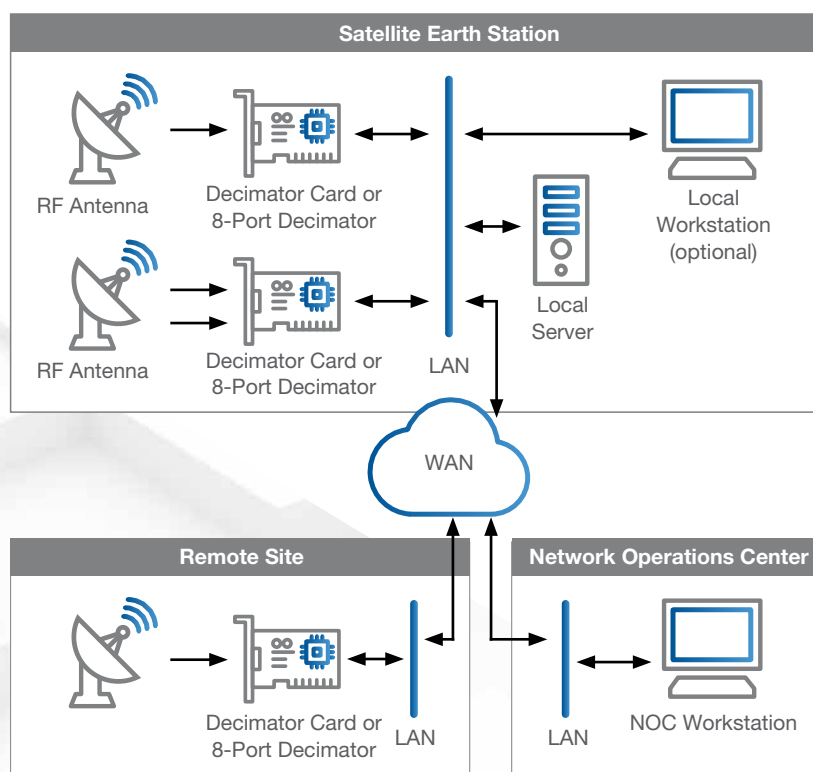# Mon-A-Co Integrated Carrier Monitoring

Continuous Monitoring of all Network Carriers

Calian, Advanced Technologies **Mon-A-Co** integrated carrier monitoring system offers satellite service providers and teleport operators a cost-effective means for continuous monitoring of all network carriers. Identify problems on critical carriers before your customers do, and notify engineering personnel immediately on detection of any out-of-tolerance conditions. Plus, expansion to monitor additional carriers or other stations is easy and cost effective.

The **Mon-A-Co** integrated carrier monitoring system employs the Calian low-cost Decimator Spectrum Analyzer card or 8-Port Decimator 1U rack-mount unit for connection to individual or multiple feeds. Expansion of the system to monitor feeds at other earth stations is straightforward and cost-effective, requiring only a WAN connection to remote sites. You can monitor the entire network from a network operations centre.
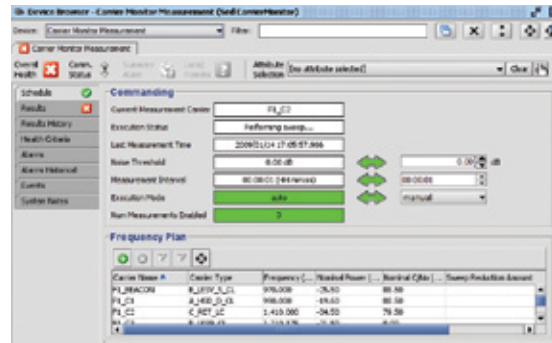
System Configuration and Operation

Easily enter additional carriers. You define the types of carriers deployed in your network and as many of each carrier type as required. The software loops through the carriers in the frequency plan you defined. For each carrier, it configures the Decimator appropriately and retrieves the resulting trace.

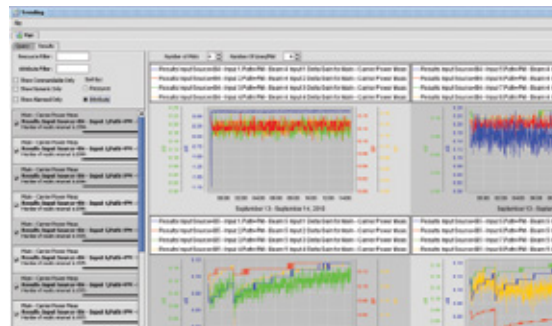The trace is analyzed to calculate the following results:

- Total power above noise
- Centere frequency
- Carrier bandwidth
- C/N, C/N0

Problem Analysis and Trending

- Use the powerful trending capability that is integral to the **Mon-A-Co** software to analyze trends and identify problems before your customers do.
- Observe historical trends or monitor the current trend live.

Events and Alarms

- View current and historical events and alarms.
- Map each alarm severity level to a corresponding audible and visual indication.
- Alert engineering personnel via email, text or pager of critical alarms.
- Alert other systems via SNMP.

Additional Features/Configurations

- Activate the **Mon-A-Co** equipment monitor and control capabilities for a complete network management solution.
- Monitor additional carriers at established sites or add new stations.
- Expand network to include an NOC.

All results are recorded in the database for future reference and analysis.

Platforms

Mon-A-Co operates under the Linux and Microsoft Windows environments. It can be deployed on standard servers or in virtualized environments. For high availability applications, **Mon-A-Co** is available in a fault-tolerant configuration with built-in protection switching, helping you achieve continuous 24 x 7 operations.