Signaling Advisor Family

The essential tool for faster isolation of signaling problems

Monitor

EmuLite

SS7

GSM/ GPRS

cellular/ PCS
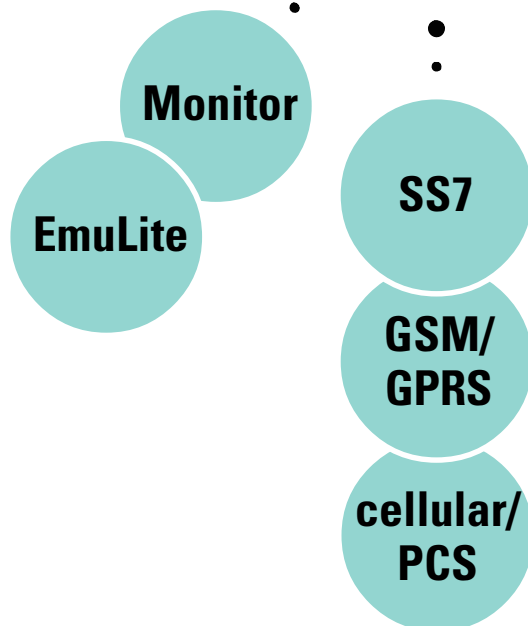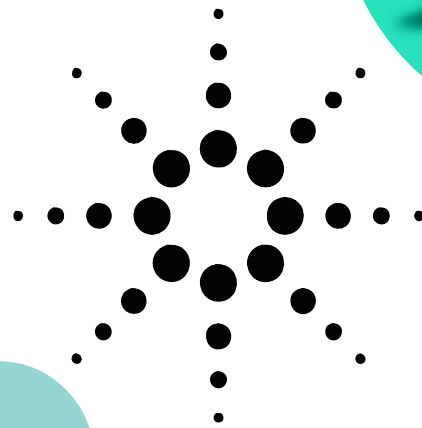
Intuitive signaling analysis

Businesses and consumers are increasingly sensitive to even a minor deterioration in service quality. To maintain customer satisfaction and loyalty, you and your technology teams need tools that help identify potential problems and resolve faults quickly and effectively...you need an Agilent Technologies Signaling Advisor.

Customize your Signaling Advisor to meet your monitor needs by choosing from three software packages:

● SS7 Signaling Advisor
● GSM/GPRS Signaling Advisor
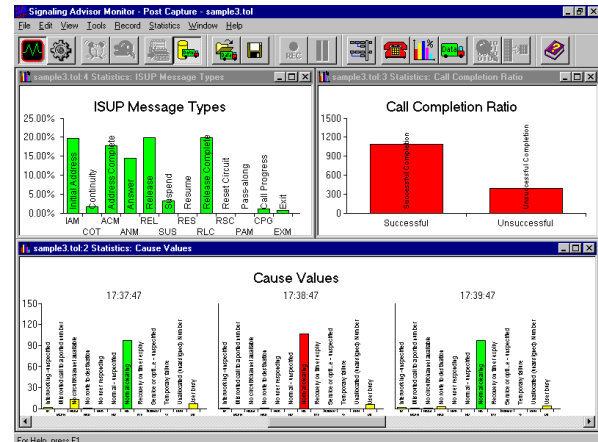● cellular/PCS Signaling Advisor

Intuitive protocol analysis, graphical statistics and graphical call trace capabilities make the Signaling Advisor the logical choice for maintenance, installation or engineering groups working with signaling related issues in telecommunications networks.

The Signaling Advisors' powerful analysis tools enable engineers to assess signaling performance, identify problems or trends or specific problem calls, and then to probe the signaling messages to find the cause.
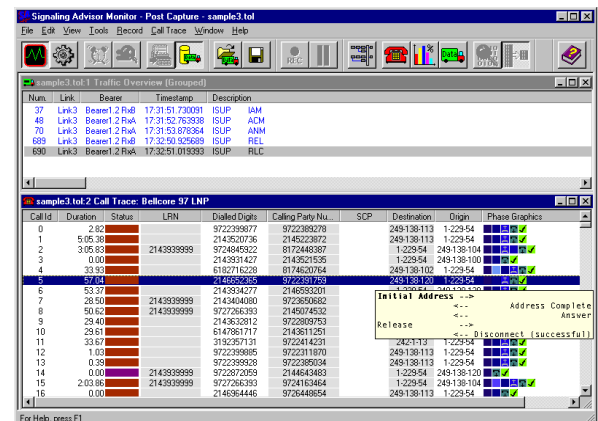
EmuLite is an option which allows the Signaling Advisor to be upgraded to a fully integrated monitor and emulation solution. EmuLite creates and executes tests faster through use of its graphical message and sequence editors. This allows engineers more time to diagnose signaling problems without the need for programming.

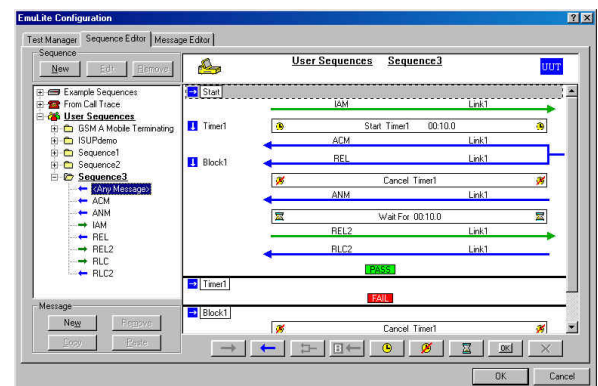A free three year software upgrade package comes as standard with the Signaling Advisor.

Arm your signaling engineers with Signaling Advisor - the focused and innovative test software needed to meet today's complex signaling challenges. Now, you can be sure of fast, comprehensive signaling analysis.

Graphical statistics

Call trace

Sequence editor

Triggers and filters

Traffic overview

Test analysis

General capability summary

- Windows 98®-based operation
- Multitasking applications (protocol analysis, statistics, call trace)
- Real-time or post-capture analysis
- Connect to up to 16 duplex physical bearers (E1 or T1, DS0, V.35, RS-232, RS-449)
- Analyze up to 32 duplex signaling links (8/16/32/48/56/64 kb/s)
- Voice monitoring
- Link Status view
- Alarm View
- Auto-configuration identifies signaling links and protocols
- Graphical configuration and measurement setup
- Triggers and filters (logging and display)
- On-line and context sensitive help
- Protocol help

Monitor capability summary

- Graphical call trace with filters and alarms
- User-configurable, color-coded protocol decodes
- Graphical (or tabular) time-based statistics with thresholds
- Automatic message and sequence validation
- Point code interpretation
- Storage of captured data and configurations to disk
- Standalone PC software for post-capture analysis
- Timestamping to 20 microsecond resolution
- Remote Control
- Compatible with capture file formats of acceSS7 monitoring system and 37900D signaling test set
- Export data to CSV file for further 'off-site' analysis

EmuLite capability summary

- Automatic test creation - copy messages and their sequence from call trace
- Graphical editor - quickly create messages - no more programming!
- Intelligent protocol field based editor - correctly build complex signaling messages - not just hex!
- Intelligent built in test manager - easily manage the execution of tests
- Graphical analysis tools - instantly identify failed tests and why they failed
- Copy messages from monitor application
- Easily verified network element responses
- Test all non IP-based GPRS interfaces
- Test SS7, GSM, GPRS, IS-41, CDMA, ISDN plus many more

3

Signaling Advisor family

SS7 Signaling Advisor (J4211A)
Includes basic ITU-T Blue/White book and ANSI/Telcordia SS7 protocol stacks, plus Telcordia CLASS 93, LIDB, 800, PVN, and ETSI ISUP.

GSM/GPRS Signaling Advisor (J4212A)
All of the functionality of the SS7 Signaling Advisor plus GSM Phases 1, 2 and 2+ including CAMEL and GPRS SS7.

Cellular/PCS Signaling Advisor (J4213A)
All of the functionality of the SS7 Signaling Advisor plus IS-41 B/C/D and IS-634.

Note: Software options allow you to add IN and Access Network capabilities to your Signaling Advisor, along with a wide range of national and vendor variant protocols.

Literature for Signaling Advisor

SS7 Technical specification
5988-1936EN
SS7 Configuration guide
5988-1933EN
GSM/GPRS Technical specification
5988-1937EN
GSM/GPRS Configuration guide
5988-1934EN
cellular/PCS Technical specification
5988-1938EN
cellular/PCS Configuration guide
5988-1935EN

For more information refer to
www.signalingadvisor.com

Related Products

The Agilent Advisor provides protocol analysis for WAN, LAN and ATM – all under one handle.

The acceSS7 monitoring system offers network-wide signaling analysis to provide a unique insight into signaling/traffic management, fraud, billing etc.

MS Windows and Windows are US trademarks of Microsoft Corp.

Agilent Technologies manufactures the Signaling Advisor under a quality system approved to the international standard ISO 9001 plus TickIT (BSI Registration Certificate No FM 10987).

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise
Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage
Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

By internet, phone, or fax, get assistance with all your test & measurement needs

Online assistance:
www.agilent.com/find/assist

Phone or Fax
United States:
(tel) 1 800 452 4844

Canada:
(tel) 1 877 894 4414
(fax) (905) 206 4120

Europe:
(tel) (31 20) 547 2323
(fax) (31 20) 547 2390

Japan:
(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Latin America:
(tel) (305) 267 4245
(fax) (305) 267 4286

Australia:
(tel) 1 800 629 485
(fax) (61 3) 9272 0749

New Zealand:
(tel) 0 800 738 378
(fax) 64 4 495 8950

Asia Pacific:
(tel) (852) 3197 7777
(fax) (852) 2506 9284

Product specifications and descriptions in this document subject to change without notice.

Agilent Technologies
Innovating the HP Way