

## Highlights

- **RF Component Package**
- **New SureCAL Procedures and Drivers**
- **SureCAL Training at MSC**

**NORTHROP GRUMMAN**  
*Electronic Systems*

*The Newsletter of  
Calibration Technologies  
Aug 2004*

# The SureCAL<sup>®</sup> Circle



## RF Components Package

*Finally a Way to Automate the Calibration of RF Components in One Convenient Package!*

### RF Components Package

SureCAL is introducing another cost savings software bundle to automate the calibration of RF Components in one convenient package. Similar to the Power Sensor Package, the new RF Components Package allows operators to use typical test profiles, or modify them to satisfy a variety of requirements. Included is an uncertainty budget manager with on-the-fly calculations for each measurement

#### RF Components supported:

- Decade Attenuators
- Fixed Attenuators
- Programmable Attenuators
- Network Analyzer Bridges
- Network Analyzer Detectors
- Couplers
- Crystal Detectors
- Power Sensors (SWR only)
- Hybrid Junctions
- Terminations

#### Measurement types supported:

- Attenuation Accuracy
- Attenuation Flatness
- Coupling Accuracy
- Coupling Flatness
- Detector Accuracy (AC & DC Mode)
- Detector Flatness (Crystal or Network Analyzer Type)
- Detector Sensitivity
- Directivity (Couplers & Network Analyzer Bridges)
- Insertion Loss
- Isolation
- SWR (Load) and Tracking (for Hybrid Junctions)

### NEW SureCAL PROCEDURES

- Agilent E4440A PSA Spectrum Analyzer
- Agilent 1670G Logic Analyzer
- Agilent 1671G Logic Analyzer
- Agilent 1672G Logic Analyzer
- Agilent 1673G Logic Analyzer
- Agilent 6032A DC Power Supply
- Aeroflex(IFR) IFF701Ti Transponder / Interrogator Test Set
- Aeroflex(IFR) 2023A Synthesizer
- Acterna(ITC) FireBERD 6000 Communications Analyzer
- Tektronix TDS1002 Oscilloscope
- Tektronix TDS1012 Oscilloscope
- Tektronix TDS2002 Oscilloscope
- Tektronix TDS2012 Oscilloscope
- Tektronix TDS2014 Oscilloscope
- Tektronix TDS2022 Oscilloscope
- Tektronix TDS2024 Oscilloscope
- TDI RBL488-100-600-4000 Electronic Load
- TDI RBL488-400-600-4000 Electronic Load
- Fluke 9500B Oscilloscope Calibrator
- StanfordRS FS725 Rubidium Frequency Standard
- SureCAL RF Components Package

### NEW SureCAL DRIVERS

- Agilent 81110A Pulse Generator
- Agilent 6030A Power Supply
- Agilent 8757A & 8757D Network Analyzer

- Gigatronics GT-9000/S Signal Generator

### Gary Jennings is Appointed 2005 NCSLi Director

SureCAL manager, Gary Jennings, has been appointed Director of the 2005 NCSLi symposium, to be held in Washington DC August 6 – 11, 2005. NCSL International sponsors this annual technical Workshop and Symposium with panels, exhibits, and individual presentations to provide a forum for attendees to exchange information on a wide variety of measurement topics. Join us!

### SureCAL Training at MSC 2005

SureCAL will be offering a programmer training course at MSC in January of 2005, to be held in the Los Angeles, CA area. For info and reservations call SureCAL's toll free support number 1-800-913-3773.

### 8902A Measuring Receiver

Obsolescence of the Agilent 8902A Measuring Receiver has created a void in the industry. Our friends at Rohde & Schwarz and Agilent announced their 8902A alternatives at the NCSLi show in Salt Lake City. The Agilent solution is based on their PSA Spectrum Analyzer. If you are purchasing this instrument, be sure to ask about adding the Measuring Receiver option. The Rohde & Schwarz solution is based on their FSU Spectrum Analyzer. If you are purchasing this instrument, be sure to ask about the FSMR with the Spectrum Analyzer option. Both systems will be supported by SureCAL Products.