Stress Live Data Traffic with the BERTScope™ for NEMs Working with 16G Fibre Channel and 100 Gb Ethernet

MENLO PARK, CA, October 30, 2009 – SyntheSys Research, Inc., announces the Stressed Live Data software option for the BERTScope. With this option, the BERTScope can take in any appropriate data traffic, add the user-specified amount and type of stress, and use the output to stress test line cards and network interfaces.

Historically, system level manufacturers and service providers have not been able to perform testing with a receiver jitter tolerance signal, or "stressed eye". Instead, they have had to rely on component level testing that the individual transceiver devices are put through without the effects of line card interconnects and other potential sources of lurking problems. With the Stressed Live Data Option on the BERTScope, line cards and network equipment can be tested with stressed live traffic, the only way to know for sure that there aren't problems arising at network interfaces.

The full range of stress available on the BERTScope is accessible for stressing live traffic, giving users the flexibility needed to adhere to stressed eye recipes or explore the boundaries of equipment performance. The types of stress include Sinusoidal Jitter (SJ), Random Jitter (RJ), Bounded Uncorrelated Jitter (BUJ), Sinusoidal Interference (SI), F/2 Jitter (with F/2 Jitter Option), and Spread Spectrum Clocking (SSC) (with XSSC Option), available on all models including the BERTScope Si 17500C and 25000C.

The data is re-timed inside the BERTScope, and the stress is added to a clean signal. This allows users to rely on the calibrated stresses that come with the BERTScope instead of having to guess how much additional jitter to inject on top of the jitter already present.

Availability

The Stressed Live Data option is available 8 weeks ARO.

About SyntheSys Research, Inc.

Founded in 1989, SyntheSys Research, Inc., innovator of the award-winning BERTScope™, is a privately held corporation located in Menlo Park, California. SyntheSys develops and manufactures high-speed signal integrity test and measurement instrumentation for the computer, storage, and communications industries. Learn more at www.bertscope.com.

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