Jitter Tolerance Testing

The Agilent J-BERT N4903A high-performance serial BERT offers complete and accurate jitter tolerance testing for receivers. It includes calibrated jitter sources, ISI, SSC and automated jitter tolerance testing. Combined with the Agilent 81150A pulse function arbitrary noise generator, you have the most flexible and powerful receiver tolerance test set up for PCIe™ 2.0.

Figure 1. The proper jitter spectrum is achieved by filtering the white noise of the Agilent 81150A with a PCIe 2.0 – specific filter. The filter can serve two topologies: data driven and common clock architecture.

Figure 2. The test setup of a J-BERT with the 81150A: the filtered signal from the 81150A is used as delay control input for the J-BERT.
Remove all doubt

Our repair and calibration services will get your equipment back to you, performing like new, when promised. You will get full value out of your Agilent equipment throughout its lifetime. Your equipment will be serviced by Agilent-trained technicians using the latest factory calibration procedures, automated repair diagnostics and genuine parts. You will always have the utmost confidence in your measurements. For information regarding self maintenance of this product, please contact your Agilent office.

Agilent offers a wide range of additional expert test and measurement services for your equipment, including initial start-up assistance, onsite education and training, as well as design, system integration, and project management.

For more information on repair and calibration services, go to:

www.agilent.com/find/removealldoubt

Related Literature

- **Agilent 81150A Pulse Function Arbitrary Noise Generator**
  - 5989-433EN
- **Agilent J-BERT N4903A High-Performance Serial BERT**
  - 5989-2899EN
- **Agilent 15431A Filter Set for 81150A**
  - 5989-9826EN
- **Test Automation Software Platform N5990A**
  - 5989-5489EN
- **Agilent ParBERT 81250, Parallel Bit Error Ratio Tester**
  - 5968-9188E
- **Development Lifecycle from Concept to PCI-SIG® Poster**
  - 5989-8762EN

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