Release Notes

BERTScope^{TM} Software

Introduction

Welcome to the BERTScope Software Release Notes. This document tracks the changes for each BERTScope Software Release. Included in these release notes are details on all new features and enhancements, a list of resolved issues, and pointers for upgrading and error reporting.

Error Reporting

If you encounter a problem, please notify us with a problem report. Please include all instrument settings and a detailed account of the steps leading up to the problem. If you can reproduce the problem, please note that as well.

If possible, please attach the BERTScope Software configuration file, screenshots to the report. In the BERTScope Software, use Config -> Save Configuration to save the current configuration (the software will prompt for a filename). Configuration files are stored in D:\Bitalyzer\Configurations and have a .cfg extension. Please also attach the ISMsgs.log file. This file can be found in the C:\ root directory.

Please contact the Tektronix Technical Support Center:
Customers calling within the U.S. call 1-800-833-9200 press 3.
Customers calling from outside the U.S. call 503-627-2400.

All reports should be sent to http://www.tek.com/webform/technical-support-request .

Upgrading

Please refer to the following link with detailed steps to do the software upgrade.
http://www.tek.com/Support/Software/BERTScope/Upgrade_ReadMe.pdf.

Software Update Changes to Startup Configuration (version 12.01 and later)

- Upgrading the BERTScope software now clears the startup configuration file setting. The BERTScope will boot into the factory default configuration after a software upgrade. If the user normally starts the BERTScope using a configuration file, then this file must be reselected after a software upgrade.

- Upgrading the BERTScope software renames any pre-existing SHUTDOWN.CFG file to OLD_SHUTDOWN.CFG.

- A FACTORY.CFG file is now installed as part of the BERTScope software upgrade process. It may be selected at any time to return the BERTScope to its factory default configuration.

- The BERTScope should be able to read in configuration files created prior to the software upgrade.

- Any new features will be set to the factory defaults. Load and resave any old configuration files to bring them up to date.

Version 12.01

12.01 Initial version

- **BSX**
  Initial version

12.01 Version History

12.01.3859

- BSX initial version.

12.04 Version History

12.04.5608

1. Support for TXLEQ test without power on/off DUT
2. Address GSM SI Skew issue
3. Address RJ Intrinsic Jitter Jump issue
4. Support for SRNS testing
5. Improvements to PCIe PLL Tester
6. Support for automatic programming of PCIe Link/Lane number

Defect Fixes:

1. Mask file is not loading in Pattern editor and sequencer
2. Running Mask test from Editor fails with no status – Added messages to let user know the failure condition and means to fix the failure.
3. Rx app loads a correct .psi file, but during for a short period of time there is wrong (previously used) .ram file shown in the Generator control.
4. PM Modulation Deviation(UI) not properly reflecting in the GUI
5. Customer really wants to know somewhere in the GUI or log what TX EQ the motherboard is using in phase 2 at 8.0 GT/s and 16.0 GT/s.   They change this in various testing and want to know which way it was set in the log info.
6. Customer DUT do not train into loopback through recovery consistently when SSC is on.
7. On closing the Test Report in PCIe PLL, the page stops responding