



ReVeal Wander Analysis Tool (PC Software)

This MTIE and TDEV post-processing application is currently distributed at no cost. However, the test sets generating the TIE or Phase/Time Error data require options to measure Wander or Absolute Phase Error and to record the TIE and Phase Error results to a FAT32 USB memory stick. Compatible with Microsoft® Windows XP, Vista, 7, 8.1

Software version 2.0.7

Sep 5, 2014

Release Scope:

General availability.

New features and improvements:

1. Adds support for TX300S PDH/DSn, SDH/SONET, SyncE, 1588v2 and Clock Wander Measurement data logs (Frequency and Phase)

Known issues or limitations:

- a. No new significant issues to report.

Software version 2.0.6

Jul 7, 2014

Release Scope:

General availability.

New features and improvements:

1. New Masks: G.8261 - EEC Option 1 and Option 2 for SyncE Interfaces
2. New Masks: G.8261.1/Y.1361.1 – Packet-based Equipment Clock-Slave-Frequency (PEC-S-F) Case 3 (n=16 ppb)

Known issues or limitations:

- a. No new significant issues to report.

Software version 2.0.5

Jun 5, 2014

Release Scope:

General availability.

New features and improvements:

1. New Masks: G.8272 – Primary Reference Time Clock (PRTC) in Locked Mode
2. New Masks: G.8261 – Circuit Emulation Services (CES) Case 1 at 1544 and 2048 kbit/s and Case 2A
3. New Masks: G.8263 – Packet-based Equipment Clock-Slave-Frequency (PEC-S-F) Locked at Constant and Variable Temperatures
4. Adds support for TX300S Wander log files (TIE and Phase). Check the TX300S Release Notes for the availability of the software version required for these functions.

Known issues or limitations:

- a. No new significant issues to report.

Software version 2.0.4

Jun 6, 2013

Release Scope:

General availability.

New features and improvements:

1. Test Signal and Reference Clock label improvements in the report generation function. Supports the new TYPE file in the TIE measurement results to identify the Test Mode and properly assign the signal labels.

Known issues or limitations:

- a. No new significant issues to report.

Software version 2.0.1

Dec 10, 2012

Release Scope:

General availability.

New features and improvements:

1. New wander comparison feature allows having two TIE files to be loaded and analyzed for comparison purposes [1132]
2. New trace auto-scale. TIE graphs are auto scaled to fit the minimum and maximum TIE values shown at any zoom levels [1133]
3. New color customization for the graphs [1131]
4. Improved Wander test report PDFs with test and reference signal information [1123]
5. Fixed the cursor control. Now the cursor is released when the Wander Analysis window is in the background

Known issues or limitations:

- a. No new significant issues to report.

Software version 1.0.1 (2012-04-23)

Apr 23, 2012

Release Scope:

General availability.

New features and improvements:

1. Activated the Remove Offset function (blue trace) and its relative MTIE and TDEV calculations.
2. Improved Frequency Offset calculation. Previous versions may have produced erroneous readings under certain conditions.

Known issues or limitations:

- a. ~~The software may not properly release the cursor keys, when user is working on another window or program.~~

Software version 1.0.0 (2012-01-17)

Jan 17, 2012

Release Scope:

Initial Release.

New features and improvements:

1. Improved file load times. Long-term test files are now loaded almost instantly.
2. Improved MTIE and TDEV analysis time. Long-term test files can now be analyzed in a few seconds.
3. Added G.8262 Ethernet Equipment Clock (Option 1/PDH and Option 2/DSn) Masks for SyncE applications.

Known issues or limitations:

- a. The analysis files saved by previous pre-release versions would prevent this new version from re-analyzing



the data. Delete the analysis file from the folder, restart the application, and perform the analysis again.

b. ~~The “Remove Offset” function has not been activated yet.~~



References

Wander Analysis

Installing or Updating ReVeal Wander Analysis Tool (PC software)

This MTIE and TDEV post-processing software is a small portable application that does not require installation. For added convenience and portability, it can be stored in the same USB memory containing the TIE or Phase Error data logs and run from any Windows® PC.

- Download the latest version from www.veexinc.com or [here](#)
- Delete any previous VeEX Wander Analysis software version and shortcuts
- Copy the [VeEX_Wander_Analysis.zip](#) package to a PC or USB Memory
- Unzip the folder and move it to the desired destination
- Create a shortcut for [WanderAnalysis.exe](#) on the desktop, USB memory root or desired destination
- Create a folder to store the TIE and Phase files generated by VeEX's test sets

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