



Agilent U7245A GDDR5 Compliance Test Application Software Release Notes

Software Version 2.00.0000

Released Date: June 5, 2014

Minimum Infiniium Oscilloscope Baseline Version: 4.60 (90000 series)

Modifications:

1. Updated for Infiniium 5.00.
2. Win7 only version for 4.60 or greater.

Software Version 1.08.0000

Released Date: Mar 31, 2013

Minimum Infiniium Oscilloscope Baseline Version: 4.10 (90000 series)

Modifications:

1. Vid(ac) for CK and WCK. Added report values for Max ac Voltage rising and Min ac Voltage falling.
2. Fixed CMD and Addr rise/fall time to be from Vref to Vih/Vil.
3. tAS/tAH. Added report values for all rising and falling address and clock combinations.

Software Version 1.07.0000

Released Date: Oct 19, 2012

Minimum Infiniium Oscilloscope Baseline Version: 3.50 (90000 series)

Modifications:

4. Added spec file that gets copied to C:\temp\GDDR5SpecFile.csv, that can be edited to give spec limits by the user. The updated file can be saved anywhere and path changed in configure tab
5. Updated triggers for tCMDS/H and tAS/H tests to better capture measured screenshots.

Software Version 1.06.0000

Released Date: 26 Jan 2012

Minimum Infiniium Oscilloscope Baseline Version: 3.01 (90000 series)

Modifications:

6. Separate out rising and falling edges for tCKDS/H and tAS/H. Separate out the channel selection for CMD and Address.



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7. Added a VREFC Measurement and VREFD Measurement tests to measure Vref to use in all tests that require a Vref for measurement (when measured is selected in the configure tab).
8. CKslew, WCKslew, VIXCK, VIXWCK, tCMD5/H, tAS/H, tDIVW, tDIPW tests use the VREFC-source and VREFD-source2 to determine if using measured Vref values or a calculated Vref Value.
9. Add slew rate for address and commands
10. All CK and WCK tests (except jitter) tests 200 cycles
11. Allow user to select the number of measurements.

Software Version 1.05.0000

Released Date: 5 Oct 2011

Minimum Infiniium Oscilloscope Baseline Version: 3.01 (90000 series)

Modifications:

12. Compiled to run on Win7 in addition to XP.
13. Updated Vid(dc) to capture measured histogram in final report.
14. Updated Vid(dc) to measure all voltage swings.

Software Version 1.03.0000

Released Date: 11 Feb 2011

Minimum Infiniium Oscilloscope Baseline Version: 3.01 (90000 series)

Modifications:

15. Updated mask files to use histogram measurement to define eye center. Histograms are measured at Vref for crossing points and center at mean of the left and right crossing points.
16. Updated Vid(ac) to use command updates from Infiniium 3.01 and greater.

Software Version 1.02.0000

Released Date: 25 Oct 2010

Minimum Infiniium Oscilloscope Baseline Version: 3.00 (90000 series)

Modifications:

1. Updated InfiniiSim to use tf2 files.
2. Updated TJN RJNrms tests to utilize Djdd equation #5 from GDDR5 JEDEC datasheet.
3. Modified "Eye Diagram Test for Read" and "Eye Diagram Test for Write" to error if not enough edges to determine eye position in relation to WCK.
4. Updated "Eye Diagram Test for Write" to use a user defined number of write bursts to enable more efficient eye folding on write data.
5. Updated mask templates.

Software Version 1.01.0000



Released Date: 4 Oct 2010

Minimum Infiniium Oscilloscope Baseline Version: 3.00 (90000 series)

Modifications:

1. Added option to use InfiniiSim for “Eye Diagram Test for Read” and “Eye Diagram Test for Write”.