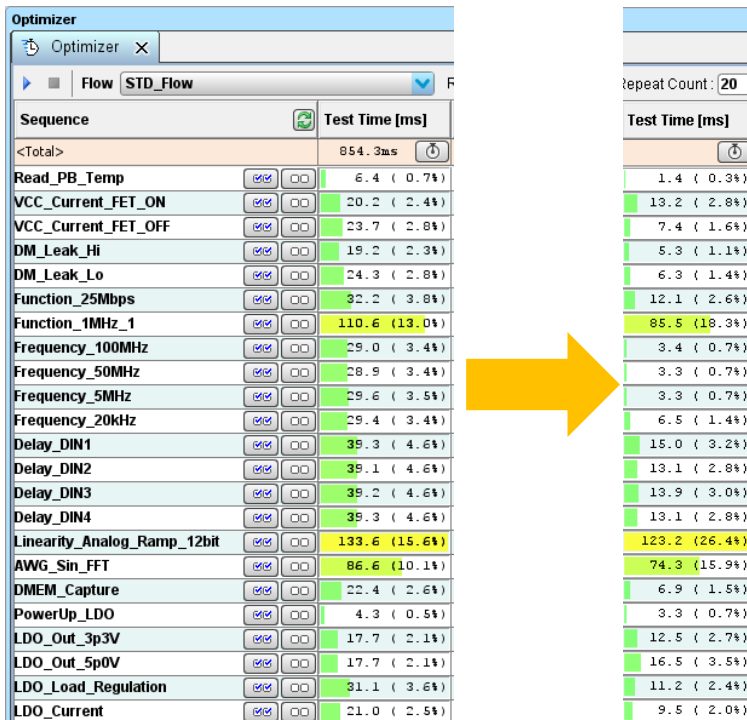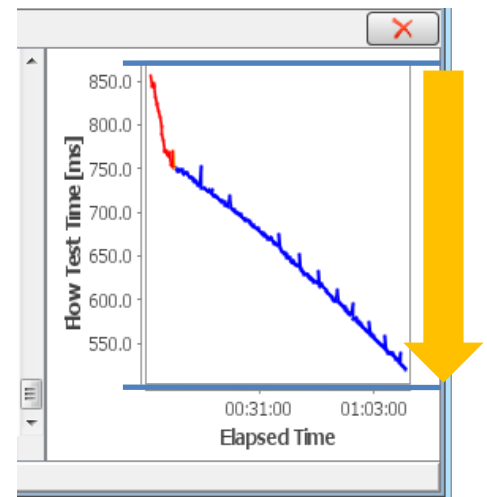# Measurement Atelier Pro

Measurement System EVA100

Optimize Test Flow

Efficient and higher Quality of Test

Improve MSE and Test Quality with Intelligent Tools

- Optimizer
- Event Profiler
- Test Condition Editor (Enhancement)

■Measurement Atelier Pro (Option Software)

- Improve Engineering Efficiency, Optimizer, Event Profiler and Test Condition Editor GUI.

- Improve the MSE (Multi-Site Efficiency) in parallel test, 25% better test time (Best Effort in case of 4 duts in Parallel).

$$\text{MSE} = \left[1 - \frac{(T_N - T_1)}{(N-1)*T_1}\right][\%]$$

- Project file and Hardware are fully compatible.

Table 1   Performance of Measurement Atelier Pro*

From 2.12, MSE improvement is now available w/o Pro.

Testing 4 duts in parallel	R1.5x	R2.00	R2.12 ~~Pro~~
AVI (setup Time)	100%	56%	15%
MVI(setup Time)	100%	90%	28%
DM64 DPS(setup Time)	100%	42%	18%
Set Variable	100%	95%	25%
Loop Begin-Loop End	100%	20%	20%
Flow (Sample Program)	272ms	240ms	200ms

※Flow test time is not guaranteed, it may have a different performance because of the test method and # of DUT count etc.

■Optimizer Tool New

This tool is automatically optimizing the test sequences according to the optimization algorithms while the flow is running and monitoring the test results. The Optimizer provides the reliable test time and test result because of the statistical approach.

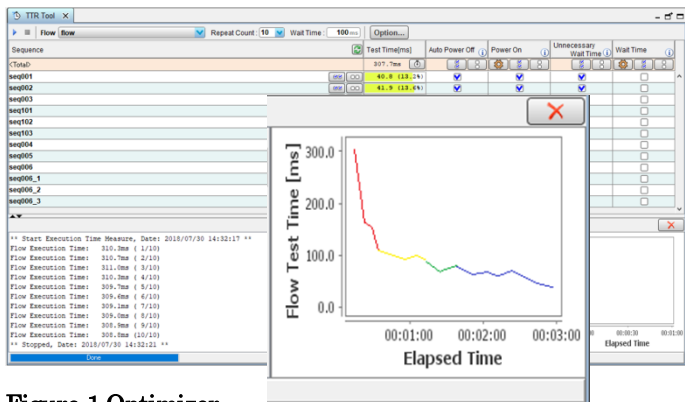Improve Test Quality and Throughput with Statistics.

Figure 1 Optimizer

■Event Profiler New

Collect the elapsed time for every event during the flow execution. This tool helps you understand the profiles in terms of execution time.

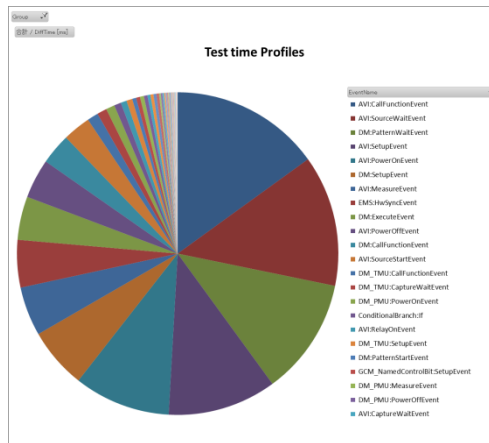Improve test time reduction task for professional engineers.

Figure 2 Event Profiler

■Test Condition Editor (Enhancement) New

Display all the events on the sequences and test-id /limits on the same window. This information would be equivalent to user's test specification spread sheet.

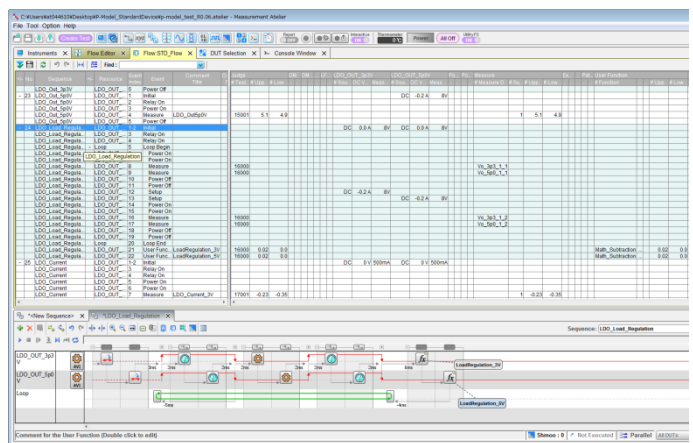Improve the documentation / Editing functionalities.

Figure 3 Test Condition Editor (Enhancement)

Remark)

From the Advantest Web Site (http:///www.advantest.com/), the demo license of Measurement Atelier Pro will be available.

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