

Notes on Using E1/E20 Emulator Software

When you use E1/E20 Emulator Software, take note of the following problems:

- With using performance measurement function
 - With displaying execution time
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1. Problem with Using Performance Measurement Function

1.1 Product and Versions Concerned

E1/E20 Emulator Software

V.1.00 Release 00 and V.1.01 Release 00

1.2 Description

In the Performance Analysis window, incorrect information about time may be displayed in the Time (h:m:s.ms.us.ns) column.

1.3 Conditions

This problem arises if the following conditions are both satisfied:

- (1) The fractional part of division of 1000 by the specified frequency is not zero. (See NOTE 1.)
- (2) The whole number part of multiplication of the fractional part in (1) by the cycle count is equal to or greater than 1.
(See NOTE 2.)

NOTES:

1. The specified frequency is the frequency typed into the "Display the cycle as time span" edit box in the Performance dialog box.
2. The cycle count is the value provided in the Count (Decimal) column in the Performance Analysis window.

1.4 Example

If a frequency of 96 MHz is typed, the following information about time is displayed in the Performance Analysis window:

No.	Condition	Time (h:m:s.ms.us.ns)	Count (Decimal)
1	Execution cycle	00:00:00.030.000.000	3000000

Here, the correct information about time that would be displayed in the Time (h:m:s.ms.us.ns) column is "00:00:00.031.250.000."

1.5 Workaround

Calculate time information by using the specified frequency and the cycle count provided in the Count (Decimal) column as follows:

$$\text{Time information (ns)} = (1000 / \text{Specified frequency [MHz]}) \\ * \text{Cycle count}$$

1.6 Schedule of Fixing the Problem

We plan to fix this problem in the next version of the product.

2. Problem with Displaying Execution Time

2.1 Product and Versions Concerned

E1/E20 Emulator Software

V.1.00 Release 00 and V.1.01 Release 00

2.2 Description

Incorrect execution time may be displayed on the Status bar and the Status window.

2.3 Schedule of Fixing the Problem

We plan to fix this problem in the next version of the product.

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