

S E R V I C E N O T E

SUPERSEDES: NONE

54603B Oscilloscope**Serial Numbers:** 0000A00000 / 9999A99999**Horizontal Delta-t And (Delta-t)^-1 Accuracy****Situation:**

The calibration routine to verify horizontal delta-t and (delta-t)^-1 accuracy has test limits that are calculated incorrectly. The specification is:

0.01% of reading \pm 0.2% of full scale \pm 200 ps

We are also adding a 50 MHz test for the 54603B to replace the 100 MHz test.

Solution/Action:

Calibration routines for horizontal delta-t and (delta-t)^-1 accuracy should be modified to the table below.

Continued

DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: CLD	ENTITY: 0840	ADDITIONAL INFORMATION:
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Reading	Time Base	Limits
10kHz	20us/div	9.959 to 10.04 kHz
100us		99.59 to 100.4 us
1MHz	200ns/div	.9957 to 1.004 MHz
1us		.9957 to 1.004 us
50MHz	5ns/div	49.25 to 50.77 MHz
20ns		19.70 to 20.30 ns