

S E R V I C E N O T E

SUPERSEDES: NONE

54600B Oscilloscope**Serial Numbers:** 0000A00000 / 9999A99999**Horizontal Delta-t And (Delta-t)^-1 Accuracy****Duplicate Service Notes:**

54600B-05

54601B-05

54602B-05

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 ±0.2% of full scale ±200 ps

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:

| 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 |
| 100MHz | 5ns/div | 97.08 to 103.1 MHz |
| 10ns | | 9.699 to 10.30 ns |

Solution/Action:

Calibration routines for voltage measurement accuracy should be modified to the table below.