54600B-04

S	Е	R	V	I	С	Е	Ν	0	Т	Е
							SUPERSEDE	S: NON	E	
54600B Oscilloscope										
Serial Numbers: 0000A00000 / 9999A99999										
Voltage Measurement Accuracy										
Situation: Due to confusion caused by the different ways accuracy is calculated for calibration and general use, the calibration routine for voltage measurement accuracy has been modified. To calculate the cursor accuracy for the 54600B oscilloscope, the algorithm remains the same:										
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The test limits for the calibration routine for voltage measurement accuracy have been modified to follow the dual cursor accuracy specifications exactly (non-vernier range).										
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DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFIC	ATION:								
INFORMATION ONLY									
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:							
CLD	0840								

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Solution/Action:

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

Range	Reading	Limits		
5V/div	35V	34.24 to 35.76 V		
2V/div	14V	13.70 to 14.30 V		
1V/div	7V	6.848 to 7.152 V		
0.5V/div	3.5V	3.424 to 3.576 V		
0.2V/div	1.4V	1.370 to 1.430 V		
0.1V/div	0.7V	684.8 to 715.2 mV		
50mV/div	350mV	342.4 to 357.6 mV		
20mV/div	140mV	137.0 to 143.0 mV		
10mV/div	70mV	68.48 to 71.52 mV		
(1)5mV/div	35mV	34.48 to 36.52 mV		
(1) 2mV/div	14mV	12.48 to 15.52 mV		

(1) Full scale is 80 mV