54602B-04

S	Е	R	V		С	Е	Ν	0	Т	Е
							SUPERSEDE	S: NON	E	
54602B 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 54602B oscilloscope, the algorithm remains the same:										
(vert Dua (vert	ical accu l cursor ical accu	accuracy aracy ±0.4	2%) of fu y: 4%) of fu	ıll scale	e) of position about 3%	on value 6 for vernier rang	ges.		
The test lmits for the calibration routine for voltage measurement accuracy has been modi- fied to follow the dual cursor accuracy specifications exactly (non-vernier range).										
								C	Continued	

DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICAT	ION:							
INFORMATION ONLY								
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:						
CLD	0840							

© 1996 AGILENT TECHNOLOGIES PRINTED IN U.S.A.



Solution/Action:

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

Range	Reading	Limits		
5V/div	35V	34.24 to 35.76V		
2V/div	14V	13.10 to 14.30V		
1V/div	7V	6.848 to 7.152V		
0.5V/div	3.5V	3.424 to 3.576V		
(1)0.2V/div	1.4V	1.370 to 1.430V		
(1)0.1V/div	0.7V	684.8 to 715.2mV		
50mV/div	350mV	342.4 to 357.6mV		
20mV/div	140mV	137.2 to 143.0mV		
10mV/div	70mV	68.48 to 71.52mV		
5mV/div	35mV	34.24 to 35.76mV		
2mV/div	14mV	13.70 to 14.30mV		
(2)1mV/div	7mV	6.696 to 7.304mV		

(1) Also applies to channels 3 and 4(2) Full scale is 16 mV