

S E R V I C E N O T E

SUPERSEDES: 3245A-01

**3245A Universal Source**

**Serial Numbers:** 0000A00000 / 9999A99999

3245A Calibration Manual, P/N 03245A-90003  
 3245A Performance Test Software, P/N 03245-10002

**Modification to Correct the Square Wave Symmetry Test Specification**

**Situation:**

The 3245A Calibration Manual has incorrect test limits specified for the Square Wave Symmetry Test found on page 3-15. Similarly, the 3245A Performance Test Software also reflects the incorrect limits for this test.

**Solution/Action:**

1. Modify the 3245A Calibration Manual Square Wave Symmetry Test.
  - a. The test description should read “This test checks the symmetry of the square wave signal to determine if the symmetry is accurate to within ± (0.8% of period +240ns).”
  - b. In the test procedure, step 4, correct it to read “The difference between step 3 and Step 4 readings must be ±248ns”. Similarly, the limits on the Performance Test Card for the Square Wave Symmetry Test on page 10 should be corrected. The High limit should read “+248ns” and the low should read “246ns”.

*Continued*

DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.25 hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: RM	ENTITY: 0940	AGILENT RESPONSIBLE UNTIL: January 1999	
		ADDITIONAL INFORMATION:	

2. the 3245A Performance Test Software also reflects the incorrect test limits specified for the Square Wave Symmetry Test. To update the software, make the following program modification.

Modify program file "SQV\_SYM".

- a. Change the program header from

60! SPEC IS 0.8% OF PERIOD +120nSEC OR 128nSEC @ 1MHZ

to

60! SPEC IS 0.8% OF PERIOD +240nSEC OR 248nSEC @ 1MHZ

- b. Change line from

1130 OUTPUT @ Printer;"POS.PULSE - NEG.PULSE =";Test\_data(0)-Test\_data(1);  
"SPEC IS±128nsec."

1130 OUTPUT @ Printer;"POS.PULSE - NEG.PULSE =";Test\_data(0)-Test\_data(1);  
"SPEC IS±248nsec."

- c. RE-STORE "SQV\_SYM"