

S E R V I C E N O T E

SUPERSEDES: None

**8664A Synthesized Signal Generator**

**Serial Numbers:** 0000A00000 / 9999Z99999

**To omit the FM high deviations and rates distortion test.**

**Duplicate Service Notes:**

8665A-10 Serial Numbers: 0000A00000 / 9999Z99999

8665B-08 Serial Numbers: 0000A00000 / 9999Z99999

**To Be Performed By:** Agilent-Qualified Personnel or Customer

**Parts Required:**

P/N	Description	Quantity
08665-90078	Operation and Calibration Manual	1

**Situation:**

There were some questions from our Agilent Technologies service center regarding to the FM high deviation and rates distortion test of the 8664A/8665A/B. The 11848A designer and I reviewed the test. It was determined that the test produced an inconsistency distortion result due to the limitation of the 5 MHz to 1.6 GHz phase detector in the 11848A interface.

*Continued*

DATE: November 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR: SN	ENTITY: 5320	ADDITIONAL INFORMATION:

**Solution / Action:**

Since the FM distortion is tested under low frequency deviation and low rates of distortion in performance test 3, this guarantee's the performance of the high frequency deviation and high rates of distortion. It's not necessary to perform test number 13 of performance test 4, FM TEST (high deviation and rates #13). Manual 08665-90078:

page 3-29, remove step 13, FM distortion.

page 3-65, Test no. 4, remove "Distortion \_\_\_\_\_ -40dB"

Manual will be updated to reflect these changes.