

S E R V I C E N O T E

SUPERSEDES: None

83640B Synthesized Sweeper 10 MHz to 20 GHz

Serial Numbers: See Below

Changes to Switching Time Specifications**Duplicate Service Notes:**

83620A-04 0000A00000 / 9999Z99999
 83620B-04 0000A00000 / 9999Z99999
 83623A-04 0000A00000 / 9999Z99999
 83623B-04 0000A00000 / 9999Z99999
 83623L-04 0000A00000 / 9999Z99999
 83630A-05 0000A00000 / 9999Z99999
 83630B-04 0000A00000 / 9999Z99999
 83630L-04 0000A00000 / 9999Z99999
 83640A-04 0000A00000 / 9999Z99999
 83640B-04 0000A00000 / 9999Z99999
 83640L-04 0000A00000 / 9999Z99999
 83650A-05 0000A00000 / 9999Z99999
 83650B-04 0000A00000 / 9999Z99999
 83650L-04 0000A00000 / 9999Z99999

Parts Required: No*Continued*

DATE: December 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

ENTITY:

ADDITIONAL INFORMATION:

DM

5320



Situation:

The CW and Manual Sweep Switching time specifications in the User's Guide and Service Guide are wrong for all vintages of instruments.

Solution / Action:

The following changes should be noted to specifications and formulas in the following documentation.

User's Guide

Section - 2c - Specifications

Heading - Frequency, Frequency Modes pg. 2c-2:

CW and Manual Sweep

Switching Time

For Steps Within a Frequency Band:

$15 \text{ ms} + (\text{Step Size}/1 \text{ GHz}) * 5 \text{ ms}$

Step or List Modes within a frequency band:

Frequencies < 2 GHz:

$6 \text{ ms} + (\text{Step Size}/1 \text{ GHz}) * 5 \text{ ms}$

Frequencies equal to and > 2 GHz:

$5 \text{ ms} + (\text{Step Size}/1 \text{ GHz}) * 5 \text{ ms}$

Service Guide:

Section - Performance test

On each model test record card change :

Test number 3, Frequency Switching Time, (16) Stepped Sweep, Maximum Spec.
from 5 ms to 5.5 ms.