

## S E R V I C E N O T E

Supersedes:

NONE

**HP MODEL 8568A SPECTRUM ANALYZER  
USING THE 8444A TRACKING GENERATOR  
WITH THE 8568A SPECTRUM ANALYZER**

This service note documents the procedure for using an 8444A tracking generator with the 8568A.

**8568A CONNECTIONS:**

The first Local Oscillator (LO) output from connector J2 on the 8568A RF Section Rear Panel is connected to the 8444A first LO input. The second LO of the 8568A must be locked in the shifted down frequency (1748.6 MHz) by the use of   or "KST".

**8444A OPT. 059 (Formerly Option H59) CONNECTIONS:**

This option will provide operation to 1500 MHz. It requires the 8444A rear panel 500 MHz OUTPUT to be connected to the 8444A THIRD LO INPUT.

**8444A OPT. 058 CONNECTIONS:**

This option will provide operation to 1300 MHz. It requires the 8444A rear panel 500 MHz OUTPUT to be connected to the 8444A THIRD LO INPUT.

**8444A CONNECTIONS:**

The standard 8444A/8568A combination will provide operation to 1300 MHz. It requires that 500 MHz be provided to the 8444A THIRD LO INPUT from a separate source. The 500 MHz signal must be within  $\pm 200$  kHz and at a power level of 0 to +4 dBm. Any instability will be directly reflected in the tracking generator output and will primarily affect operation in narrow resolution bandwidths.

RO/eg/WO

3/80-45



**FOR MORE INFORMATION, CALL YOUR LOCAL HP SALES OR SERVICE OFFICE** or East (201) 265-5000 • Midwest (312) 255-9800 • South (404) 955-1500 • West (213) 970-7500 or (415) 968-9200; **OR WRITE**, Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304. **IN EUROPE, CALL YOUR LOCAL HP SALES or SERVICE OFFICE OR WRITE**, Hewlett-Packard S.A., 7, rue du Bois-du-Lan, P.O. Box, CH-1217 MEYRIN 2 - Geneva, Switzerland. **IN JAPAN**, Yokogawa-Hewlett-Packard Ltd., 9-1, Takakura-cho, Hachioji-shi, Tokyo, Japan 192.