S E R V I C E N O T E

SUPERSEDES: None

HP 3577A Network Analyzer

Serial Numbers: 0000A00000 / 9999Z99999

Source harmonic distortion specification changed from < -30 dBc to < -25 dBc

Situation:

Due to a change in the manufacturing process of the output power amplifier transistors on the source board, the source harmonic distortion specification can no longer be met without considerable redesign of the source board. The part numbers of the transistors are 1853-0495 and 1854-0876. After measuring the distortion level produced by several pairs of these transistors, it has been determined that the typical harmonic distortion is -29 to -30 dBc.

It has also been determined that an increase in the source harmonic distortion level will not affect a measurement made with the network analyzer because the receiver is always tuned to the fundamental frequency of the source.

Solution:

The HP 3577A Source Harmonic Distortion specification will be changed from < - 30 dBc to < -25 dBc. The following manuals and software will contain the new specification, and will supersede all previous versions.

3577A Operating Manual	03577-90003
3577A Service Manual	03577-90017

3577A/B Semi-automated performance test software revision A.01.00
HP3577A_B STE-9000 performance test software revision A.03.00

DATE: 26 January 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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