

P.C. 09-18810

SUPERSEDES
NONE**-hp- MODEL 3570A NETWORK ANALYZER**

Serial Numbers 1331A01455 and Below

ERRONEOUS PHASE READINGS

Two resistors, A6R23 and A6R24, have been changed to remedy a problem that occasionally caused errors in phase reading.

The problem primarily occurs when using the 3570A in the remote mode and switching down from the 100 Hz to 10 Hz bandwidth, the however problem could occur in manual operation when switching between any bandwidths. The symptom is a phase reading that is completely different from what it should be. For example, taking the 3570A outputs directly to the inputs, the phase reading would be about 0°. However, when remotely switched from 100 Hz to 10 Hz, the phase will jump to some random reading.

The resistors mentioned above are used at the input to the bandwidth selecting logic, however their previous values caused the logic levels to appear questionable, particularly at high temperatures. This resulted in the 3570A occasionally selecting multiple bandwidths. The new resistors define the logic levels more clearly.

In the event of this type of problem, A6R23 and A6R24, Part Number 0683-4715 (470 ohm), should be changed to 0683-2015 (200 ohm).

Please add this information to your Operating and Service Manual.

CEW/kkz/WO

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