

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

SUPERSEDES: None

**8590L Spectrum Analyzer**

**Serial Numbers:** 8591E S/N 3710A06419 TO 3710A06508  
 8591C S/N 3710A02121 TO 3710A02181  
 8590L S/N 3710A01880 TO 3710A01919

**Input Attenuators intermittently cause low frequency Response failures.**

**Duplicate Service Notes:** 8591E-13  
 8591C-11

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

**Situation:**

MID manufacturing found a small percentage of August shipments That may fail Low Frequency Response. The Customer may complain About low signal power at frequencies < 20 MHz.

**Solution / Action:**

The failure mechanism is dirty contacts on the internal relays Of the Input Attenuator. If poor contact is made the RF input appears more capacitive causing signals at the low frequencies to be attenuated. Typically, this failure mode is very difficult to replicate. If the Customer has complained about low end frequency response, automatically change out the Input Attenuator.

DATE: December 1997

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**INFORMATION ONLY**

AUTHOR:

BD

ENTITY:

5320

ADDITIONAL INFORMATION: