Statement of Memory Volatility 96270A, 96040A

Model:
96270A, 96040A

Product Name:
RF Reference Source

Instrument Description:
High precision RF signal generator

Memory Description:

Volatile Memory

The following stores may contain user-specific info, but will be erased if the power is removed for at least 60 seconds:

- 16 MB SDRAM used as program image and workspace memory during operation. It also contains the temporary IEEE bus traffic data log.

- 512 kB SRAM used as FM wave-shape data.

- 512 kB SRAM used as AM wave-shape data.

- 80 kB SRAM used as display bitmap.

- 80 kB SRAM internal processor cache.

Non-Volatile Memory

- 8MB FPROM containing firmware loader, firmware image, user setups, user preferences and profiles
  - Firmware loader and firmware image not user-erasable.
  - User setups erasable via save/recall screen.
  - User preferences (contrast, bus address, etc.) not user-erasable.
  - Profiles erasable via profile selection screen. (96270A Only)

- 8MB FPROM for future use – not accessible.

- 16 kB EEPROM (fitted on base unit 27GHz control) containing characterisation data & relay counts.
    - No user-specific info.
    - Erasable via factory-only function "Reset Base to Defaults".

- 16 kB EEPROM (fitted on base unit synth) containing characterisation data.
    - No user-specific info.
    - Erasable via factory-only function "Reset Base to Defaults".

- 16 kB EEPROM (fitted on base unit digital) containing calibration correction stores, serial number, model, base/head association, and relay operation count record.
    - Erasable via factory-only function "Reset Base to Defaults".

- 16 kB EEPROM (fitted on head) containing calibration correction stores, serial number, model, base/head association, and relay operation count record.
    - Erasable via factory-only function "Reset Base to Defaults".

Memory Cleaning Instructions:

- Information in the RAM area (SDRAM) is lost once the power to the instrument has been removed for at least 60 seconds.
- Data stored in the Flash area used for the 10 named setups can be cleaned by selecting: Setup -> Save/Recall -> Select entry -> Delete
- Data stored in the profile area can be cleared by user selecting Setup ->Profile Selection->Delete Highlighted until all entries have been erased. (96270A Only)

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