Instrument Security Procedures

Model:

9640A, 9640A-LPN, & 9640A-LPNX

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:

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

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

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

- 80KB SRAM used as display bitmap.

- 80KB SRAM internal processor cache.

Non-Volatile Memory

- 16KB EEPROM containing firmware loader.
  - o No user-specific info.
  - o Not user-erasable.

- 1MB FPROM containing firmware image.
  - o No user-specific info.
  - o Not user-erasable.

- 1MB FPROM containing user setups and user preferences settings.*
  - User setups erasable via save/recall screen.
  - User preferences (contrast, bus address, etc.) not user-erasable.

- 16KB EEPROM containing characterisation data.*
  - No user-specific info.
  - Erasable via factory-only function "Reset Base to Defaults".

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

- 16KB 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 cleaned by using selecting: Setup -> Save/Recall -> Select entry -> Delete