

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

- 8MB FEPROM for future use – not accessible.
- 16 kB EEPROM (fitted on base unit 27GHz control) containing characterisation data & relay counts.
 - o No user-specific info.
 - o Erasable via factory-only function “Reset Base to Defaults”.
- 16 kB EEPROM (fitted on base unit synth) containing characterisation data.
 - o No user-specific info.
 - o 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.
 - o 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.
 - o Erasable via factory-only function “Reset Base to Defaults”.

Comment [A]
showing?

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)