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How to Sanitize User Data in a 53151A CW Microwave Frequency Counter for Security Reasons

Purpose
To document the internal memory used in the 53151A instrument and how data can be sanitized/cleared/erased for security reasons.

Volatile Memory

Type: U24 SRAM
Size: 32K x 8
User Modifiable (Y/N): Yes
Function: Temporary storage – variables, programs, measurements, etc.
Process to Sanitize: The SRAM is erased when line power is removed

Type: U18 SRAM
Size: 32K x 8
User Modifiable (Y/N): Yes
Function: Temporary storage – variables, programs, measurements, etc.
Process to Sanitize: The SRAM is erased when line power is removed

Non-Volatile Memory

Type: U31 PROM
Size: 256K x 8
User Modifiable (Y/N): No
Function: Perm. Storage - Source code, Constants.
Process to Sanitize: Not customer alterable

Type: U23 PROM
Size: 256K x 8
User Modifiable (Y/N): No
Function: Perm. Storage - Source code, Constants.
Process to Sanitize: Not customer alterable

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Non-Volatile Memory (continued)

Type: U32 PROM
Size: 32K x 8
User Modifiable (Y/N): No
Function: Perm. Storage - erasable – cal. factors, Setup data, etc.
Process to Sanitize: The operating states may be over-written (refer to chapter 2 in the Operating Guide). The data entered for a "Power Correction Profiles" may also be over-written (refer to chapter 1 in the Operating Guide).

Removable Media

Type: None
Size:
User Modifiable (Y/N):
Function:
Process to Sanitize:

Additional Information

Battery: None

Contact Information

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