

How to Sanitize User Data in a 53150A CW Microwave Frequency Counter for Security Reasons

Purpose

To document the internal memory used in the 53150A 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

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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