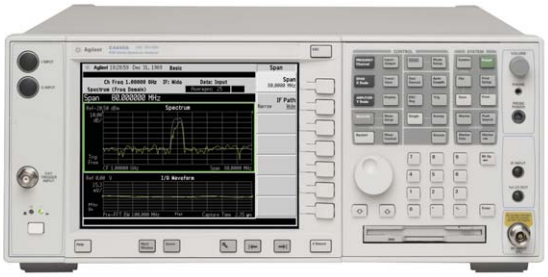
Agilent PSA High-Performance Spectrum Analyzer Series

Option 117 Secure Memory Erase and Instrument Sanitization

Keep your secrets secret



Four Levels of Security

- Display manipulation
- Instrument sanitization (Secure Erase All)
- User file deletion
- Read-only file mounting

Display manipulation

The PSA Series provides the user with a choice of screen manipulating features:

- Graticule blanking
- Annotation blanking
- Active function blanking
- Trace blanking

Instrument sanitization

The Secure Erase All feature sanitizes all memory in the instrument. This includes the internal operating system as well as Option 117 user accessible memory. After this operation is executed, the instrument will be in a non-functional condition and can only be made operational by reloading the complete firmware set.

Note: Before the Secure Erase All operation is executed, it is important that all of the license keys for the instrument be saved. If not, the user will need to contact an Agilent representative to retrieve the license keys.

User file deletion

The Secure Erase User operation erases all of the user accessible information stored in Option 117 memory. These user-accessible memory items include:

- Trace data
- Instrument states
- Limit lines
- Screen corrections
- Screen shots
- Last state

Note: Secure Erase User and Secure Erase All comply with DSS criteria per NISPOM Chapter 8 and Clearing and Sanitization Matrix, Rev. June 27, 2005.

Read-only file mounting

Option 117 mounts the instrument read-only files in such a scheme that the following information will be retained after erasing the user accessible data:

- License keys
- Personality install
- LAN settings
- Last state

Ordering Information

Option 117 can be ordered at the time of instrument purchase or the instrument can upgraded at a later date. In addition, existing PSA Series spectrum analyzers without this option can be upgraded by ordering the retrofit kit E444xAU-117.

For more information visit: http://www.agilent.com/find/AD (click on instrument security and search on E4440A).

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