Signal Hound®
1502 SE Commerce Ave, Ste 101 • Battle Ground, WA, 98604

Phone
(360) 313-7997

Web
sales@signalhound.com
www.signalhound.com

Fax
(360) 723-0359

VNA400 Statement of Volatility

Non-Volatile Memory

The VNA400 contains 1 SPI flash memory IC. This non-volatile memory contains the firmware for the Cypress FX3, the device correction data, and the factory calibration data.

The VNA400 also contains an FPGA with internal flash memory. This is used to store the FPGA configuration file.

Non-volatile memory is modified during initial programming, as well as during adjustment and firmware update. The VNA software and Application Programming Interface (API) do not modify the VNA400 non-volatile memory.

Volatile Memory

The Cypress FX3 and FPGA contain volatile memory for program and data, including sweep settings and raw receiver data.

Numerous ICs, including the LO synthesizers, PLLs, ADC, and VNA subsystem ICs, contain volatile configuration registers.

All volatile memory is erased when power is removed from the device.

Host PC

The Host PC running the VNA software stores calibrations, measurement configurations, user presets, and any saved data to the PC's hard drive. User presets contain sensitive information such as frequencies and measurement settings. Saved data contains sensitive information such as S-parameter data. All files are saved by default to C:\Users\[user name]\Documents\SignalHound.

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Justin Crooks, Senior Engineer, Signal Hound