

VSG25A Statement of Volatility

This document pertains to the VSG25A, all serial numbers and versions.

Non-Volatile Memory

The VSG25A contains a PIC32MZ microcontroller with internal flash memory. This flash memory is used for the microcontroller's firmware and USB enumeration, as well as correction data.

Non-volatile memory is modified during initial programming, as well as during the calibration adjustment procedure. Neither the VSG software nor the Application Programming Interface (API) modifies the VSG25A's non-volatile memory.

Volatile Memory

Several ICs, including the microcontroller, LO synthesizers, and DAC contain volatile configuration registers.

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

Host PC

The Host PC running the VSG software stores user presets to the PC's hard drive. Additionally, CSV files used as arbitrary waveform files may be generated by the user and stored on the PC.

User presets contain sensitive information such as frequencies used and modulation settings, and are saved by default to C:\Users\[user name]\Documents\SignalHound\vsg25a.

CSV files contain sensitive information such as frequencies, amplitudes, and modulation characteristics of generated signals, and may be saved by the user to any location.

//signed//

Justin Crooks, Senior Engineer, Signal Hound