



**AWG-HDMI  
Declassification and Security  
Instructions**

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# Preface

This document helps customers with data security concerns to sanitize or remove memory devices from the Tektronix AWG-HDMI

There is no declassification specified for this product. The only information this device holds is factory calibration information for the delay times. There is no customer information stored on the device and nothing can be accessed externally.

- Reference** The procedures in this document are written to meet the requirements specified in:
- NISPOM, DoD 5220.22–M, Chapter 8
  - ISFO Process Manual for Certification & Accreditation of Classified Systems under NISPOM

**Required documents** No external documents are required to perform the procedures in this document.

## Terms that may be used in this document

The following terms may be used in this document:

- **Clear.** This removes data on memory before reusing it in a secured area. All reusable memory is cleared to deny access to previously stored information by standard means of access.
- **Instrument Declassification.** A term that refers to procedures that must be undertaken before an instrument can be removed from a secure environment. Declassification procedures include memory sanitization and memory removal, and sometimes both.
- **Nonvolatile memory.** Data is retained when the instrument is powered off.
- **Remove.** This is a physical means to clear the data by removing the memory device from the instrument. Instructions are available in the product Service Manual.
- **Sanitize.** This eradicates the data from media/memory so that the data cannot be recovered by other means or technology. This is typically used when the device will be moved (temporarily or permanently) from a secured area to a non-secured area.
- **User Accessible.** User is able to directly retrieve the memory device contents.
- **Volatile memory.** Data is lost when the instrument is powered off.

**Device terms**

- **User data.** Describes the type of information stored in the device. Refers to waveforms or other measurement data representing signals connected to the instrument by users.
- **User settings.** Describes the type of information stored in the device. Refers to instrument settings that can be changed by the user.
- **Both.** Describes the type of information stored in the device. It means that both user data and user settings are stored in the device.
- **None.** Describes the type of information stored in the device. It means that neither user data nor user settings are stored in the device.
- **Directly.** Describes how data is modified. It means that the user can modify the data.
- **Indirectly.** Describes how data is modified. It means that the instrument system resources modify the data and that the user cannot modify the data.

# Memory devices

There is no declassification specified for this product. The only information this device holds is factory calibration information for the delay times. There is no customer information stored on the device and nothing can be accessed externally.

## Volatile memory devices

Type and min. size	Function	Type of user info stored	Backed up by battery	Method of modification	Data Input method	Location	User accessible	To clear	To sanitize
1GB SDRAM	Holds current delay and voltage values System memory	Delay value and voltage offset value	No	Directly and indirectly	Visa commands (Direct) System memory written by processor system (Indirect)	SBC (Single Board Computer)	User can access delay and voltage values via Visa, but nothing else	Remove power from the instrument for at least 20 seconds.	Remove power from the instrument for at least 20 seconds.

## Non-volatile memory devices

Type and min. size	Function	Type of user info stored	Method of modification	Data Input method	Location	User accessible	To clear	To sanitize
SanDisk 8GB Industrial Micro SD Card	Holds AWG-HDMI control software and calibration values	None	Indirectly	Factory configuration	Micro SD slot on internal SBC (Single Board Computer)	No	Not applicable. Does not contain user data or settings. Clearing would disable instrument functionality.	Not applicable. Does not contain user data or settings. Clearing would disable instrument functionality.

## Clear or sanitize a non-functional instrument

If your instrument is not functioning, return the instrument to Tektronix for repair. No user data is stored on the instrument when the power is removed. Clearing or sanitizing the instrument is not applicable.

**Charges** Replacement of any missing hardware will be charged according to the rate at the time of replacement.