

## Declaration of Volatility

### Products

Model Number	Description
GTX2210	225MHz Time Interval Counter with 10MHz TCXO
GTX2220	1.3GHz Time Interval Counter with 10MHz TCXO
GTX2230	2GHz Time Interval Counter with 10MHz TCXO
GTX2220 OCXO	1.3GHz Time Interval Counter with high precision 10MHz OCXO
GTX2230 OCXO	2GHz Time Interval Counter with high precision 10MHz OCXO

### **Volatile Memory**

This product contains the following volatile memory, which is erased every time power is removed from the product.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
FPGA SRAM	24 Kb	No	No	PXI Bus Interface, Data Buffering	Cycle power
Microcontroller RAM	2 Kb	No	No	Firmware memory, Data Buffering	Cycle power

### **Non-Volatile Memory**

This product contains the following non-volatile memory, which the contents are retained when power is removed from the product.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
FLASH <sup>1,3</sup>	1.6 Mb	No	No	FPGA Configuration	Reprogram via instrument soft panel
EPROM <sup>1</sup>	512 Kb	No	No	External ROM for Microcontroller, Firmware code	None Available. If memory cleared, instrument will not be usable.
EEPROM <sup>2,4</sup>	4 Kb	No	No	Store Calibration data for instrument	Not Available to User

## Media Storage

This product contains no media storage devices.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
None	N/A	N/A	N/A	N/A	N/A

### Notes:

1. Altering the contents of this memory may render the product unusable.
2. Calibration constants that are stored in device EEPROMs include information for the device's full operating temperature range. Calibration constants do not maintain any unique data for specific configurations at which the device is used unless otherwise specified.
3. Hardware changes or a unique tool from Marvin Test Solutions are required to modify contents of the memory listed.
4. Not available to user indicates that the ability to clear this memory is not available to the end user under normal operating conditions. The utility required to clear the memory are not distributed by Marvin Test Solutions to customers for normal use.