

## Certificate of Volatility

|   |   |  |                  |                   |
|---|---|--|------------------|-------------------|
| <b>Model:</b><br>Spectracom TSync-<br>PCIe bus-level<br>timing boards | <b>Part Numbers:</b><br><b>1191-1001-0600</b><br>(Has no on-board GPS<br>receiver)<br><br><b>1191-2001-0600</b><br>(has on-board GPS<br>receiver) | <b>Manufacturer: Spectracom Corporation</b>    |                  |                   |
|   |   | <b>Street Address: 95 Methodist Hill Drive</b> |                  |                   |
|   |   | <b>City: Rochester</b>                         | <b>State: NY</b> | <b>Zip: 14623</b> |

### Volatile Memory

Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?

Yes       No

If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):

|                                   |               |   |  |                                      |
|-----------------------------------|---------------|---|--|--------------------------------------|
| Type (SRAM, DRAM, etc.):<br>SRAM  | Size:<br>64KB | User<br>Modifiable:<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Function:<br>System memory: Contains system<br>stack                   | Process to Sanitize:<br>Remove power |
| Type (SRAM, DRAM, etc.):<br>SDRAM | Size:<br>8MB  | User<br>Modifiable:<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No            | Function:<br>System memory: Contains executing<br>code and system heap | Process to Sanitize:<br>Remove power |

### Non-Volatile Memory

Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?

Yes       No

If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):

|   |                |   |  |   |
|---|----------------|---|--|---|
| Type (BBRAM, Flash, EEPROM,<br>etc.):<br>Flash  | Size:<br>8MB   | User<br>Modifiable:<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Function:<br>Contains the run-time, default<br>firmware and FPGA images; this<br>memory is utilized during to store new<br>images during normal operation.   | Process to Sanitize:<br>None  |
| Type (BBRAM, Flash, EEPROM,<br>etc.):<br>Flash  | Size:<br>512KB | User<br>Modifiable:<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Function:<br>Contains the boot loader firmware and<br>a compressed FPGA image, this is not<br>accessible during normal operation.  | Process to Sanitize:<br>None  |
| Type (BBRAM, Flash, EEPROM,<br>etc.):<br>EEPROM | Size:<br>8KB   | User<br>Modifiable:<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Function:<br>System memory- Contains product<br>configuration data, which write the<br>following during normal operation: <ul style="list-style-type: none"> <li>• Status flags for the images<br/>stored in the 8MB Flash,<br/>these are updated during the<br/>upgrade process.</li> <li>• An uptime counter, which<br/>tracks the powered-on time<br/>of the board.</li> </ul> The user reference table, which can be<br>stored by a command from the user. | Process to Sanitize:<br>The user reference table can be<br>reset to the factory default or<br>overwritten by the user |

**Media**

Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.)?

Yes       No

**Additional Information:**

The TSync-PCIe (Model 1191-2001-0600) product contains an on-board Trimble Resolution-T GPS receiver module which may have its own volatile/non-volatile memory. Please refer to Trimble (<http://www.trimble.com/timing>) for details regarding memories used on this module. The Spectracom TSync-PCIe board does not direct the GPS module to store any persistent information (including position). Removing power from the TSync-PCIe board should sanitize any information held in volatile or battery-backed memories on this module.

**Vendor Representative Information**

|                            |                                       |  |   |
|----------------------------|---------------------------------------|--|---|
| <b>Name:</b><br>Keith Wing | <b>Title:</b><br>Tech Support Manager | <b>Office Phone:</b><br>(585) 321-5823 | <b>Fax/Email:</b><br>(585) 321-5219<br>techsupport@spectracomcorp.com |
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