Quasonix

13 November 2025

Re: Volatility of Quasonix MLSC and BSSA Systems

To Whom It May Concern:

The MLSC is a new approach to Best Source Selection that extracts optimal data from multiple signals received via PCM and TMoIP. Telemetry data enters the system via the BNC, MDM-25, or Ethernet ports, then passes through the processing system, and exits the system via BNC, MDM-25, or Ethernet ports. During this processing, the telemetry data resides in volatile SDRAM, but is never stored in non-volatile memory.

The BSSA is a test device which has twelve independent data generators capable of emulating a multitude of best source selection challenges such as channel delay, Doppler effects, variable bit error probability, receiver sync loss, and more. Twelve PCM and twelve TMoIP channels are independently configurable as inputs or outputs. During the generation and processing of the data, the telemetry data resides in volatile SDRAM, but is never stored in non-volatile memory.

Our standard Letter of Volatility is attached.

Best Regards,

Terrance J. Hill

Letter of Volatility

Model:	Part Numbers:	Manufacturer: Quasonix, Inc.		
		Street Address: 6025 Schumacher Park Dr.		
MLSC BSSA	QSX-MLSC* QSX-BSSA*	City: West Chester	State: OH	Zip: 45069

Volatile Memory

Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?
☒ X Yes   ☐ No

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

Type (SRAM, DRAM, etc.):	Size:	User Modifiable:	Function:	Process to Sanitize:
SDRAM	2 x 4 GByte	☒ Yes ☐ No	System memory, configuration	Shut down and remove power from system
SDRAM	2 x 1 GByte	☐ Yes ☒ No	System memory	Shut down and remove power from system
		☐ Yes ☐ No		

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, etc.):	Size:	User Modifiable:	Function:	Process to Sanitize:
Flash	2 x 8 GByte	☐ Yes ☒ No	Boot files, file system	None; payload data not stored in flash
Flash	2 x 64 MByte	☐ Yes ☒ No	Boot file storage	None; payload data not stored in flash
Flash	2 x 4 KByte	☐ Yes ☒ No	Power on/off control	None; payload data not stored in flash
Flash	2 x 2 Kbit	☐ Yes ☒ No	General storage	None; payload data not stored in flash

Media

Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.)?
☒ Yes   ☐ No

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

Type (Disk, Tape, etc.):	Size:	User Modifiable:	Function:	Process to Sanitize:
SD Memory card (internal) Removable: ☐ Yes ☒ No	64 GByte	☒ Yes ☐ No	Boot files, filesystem, configuration storage, status logging	None; payload data not stored in flash

Additional Information:

Vendor Representative Information

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