Quasonix

30 April 2015

Re: Volatility of RDMS™ telemetry receivers

To Whom It May Concern:

The RDMS™ receivers do not have any connection between the payload data path and the flash memories that store the RDMS™ configuration. Furthermore, the payload data cannot ever appear on the Ethernet port, as there is no connection there either.

In short, the payload data cannot be stored in the RDMS™ itself, and it cannot be routed to other devices on its Ethernet network.

Our standard Letter of Volatility is attached.

Best Regards,

Terrance J. Hill

Letter of Volatility

Model:	Part Numbers:	Manufacturer: Quasonix		
RDMS™	All starting with QSX-RDMS and serial numbers above 3000-	Street Address: 6025 Schumacher Park Dr.		
		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)?
☒ 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:
SRAM	256 Mbits	☐ Yes ☒ No	Front panel interface application memory	None; has no contact with payload data
DRAM	1 Gbyte	☒ Yes ☐ No	User interface application memory	None; has no contact with payload data
SRAM	3 x 8 Mbits	☐ Yes ☒ No	Demodulator application memory	None; has no contact with payload data

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	1 Gbit	☐ Yes ☒ No	FPGA configuration file and first-stage bootloader	None; has no contact with payload data
Flash	1 Gbit	☐ Yes ☒ No	FPGA configuration and front panel application program	None; has no contact with payload data
Flash	8 Kbit	☐ Yes ☒ No	Power on/off control	None; has no contact with payload data
Flash	3 x 1 Gbit	☐ Yes ☒ No	Demodulator FPGA configuration and application program	None; has no contact with payload data

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 Gbytes	☒ Yes ☐ No	Main application operating system and storage for User Interface	None; has no contact with payload data
Type (Disk, Tape, etc.): Removable: ☐ Yes ☐ No	Size:	☐ Yes ☐ No	Function:	Process to Sanitize:

Additional Information:

Vendor Representative Information

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