Quasonix

30 April 2015

Re: Volatility of RDMSTM telemetry receivers

To Whom It May Concern:

The RDMSTM 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 RDMSTM itself, and it cannot be routed to other devices on its Ethernet network.

Our standard Letter of Volatility is attached.

Best Regards,

(J) Ull

Terrance J. Hill

Letter of Volatility								
Model: Part Numbers: Manufacturer: Quasonix								
			Street Address: 6025 Schumacher Park Dr.					
RDMS [™] All starting w		ith QSX-RDMS		Citv: West Chester State: OH			Zip: 45069	
	and serial numbers above						•	
	3000-							
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, I	Size:	Size: User		Function:		Process to S	Sanitize:	
SRAM		Modifiable:		Die:	memory		None; has no contact with payload data	
		mone	⊠ No		incinery		uutu	
Type (SRAM, DRAM, etc.):		Size:	User Madifiables		Function:		Process to Sanitize:	
DRAM		1 Gbyte			User interface application memory		data	
							Gata	
Type (SRAM, DRAM, etc.):		Size:	User		Function:		Process to Sanitize:	
SRAM		3 x 8	Modifiable:		Demodulator application memory		None; has no contact with payload	
		MDILS	⊠ Tes ⊠ No				Cata	
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 follow				rmatio	n for each type (use additional sheets if re		quired):	
Type (BBRAM, Flash, EEPROM, etc.):		Size: 1 Ghit	1 Ghit Modifiable:		FUNCTION. FPGA configuration file and first-stage		None: has no contact with pavload	
Flash		1 Obit	☐ Yes		bootloader		data	
			🖾 No					
Type (BBRAM, Flash, EEPROM,		Size:	User Modifiable:		Function:		Process to Sanitize: None: has no contact with payload	
Flash		1 Obit			application program		data	
			🖾 No					
Type (BBRAM, Flash, EEPROM,		Size:	User Madifiable:		Function:		Process to Sanitize:	
etc.): Flash		8 KDIL	Viodinable:		Power on/off control		data	
			⊠ No					
Type (BBRAM, Flash, EEPROM,		Size:	User		Function:		Process to Sanitize:	
etc.): Elash		3 X 1 Ghit	Modifiable:		application program		None; has no contact with payload	
i lasti	Flash Gbit		⊠ No				dutu	
Media								
Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.)?								
If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):								
SD Memory ca	D Memory card (internal)		User Modifiable:		Function: Main application operating system		None: has no contact with pavload	
Removable:	emovable: Gbytes		⊠ Yes		and storage for User Interface		data	
	es 🛛 No		□ No					.
Type (Disk, Ta	Type (DISK, Tape, etc.): Size: User Modifia		User Modifial	Function:		Process to Sanitize:		
Removable:	emovable:							
Additional Information:								
Vendor Representative Information								
Name: Title: Office Phone: Fax/Email:								
Terry Hill	Chief Sci	Chief Scientist		513-942-1287		thill@quasonix.com		

The data shall be released only to Quasonix customers or US Government representatives as necessary to accomplish the intended task (i.e., obtaining approval to operate a system processing sensitive data and incorporating the described item). The data shall not be disseminated to other vendor/contractor personnel without the express written authorization of the manufacturer.