

Testing GBDriver RS4 Data Randomizer Effectiveness

RELATED PRODUCTS	GBDRIVER RS4 (SATA SSD Controller)
	SDG4A Series (2.5" SATA 3Gbps SSD)
	SHG4A Series (SATA 3Gbps Half Slim SSD)

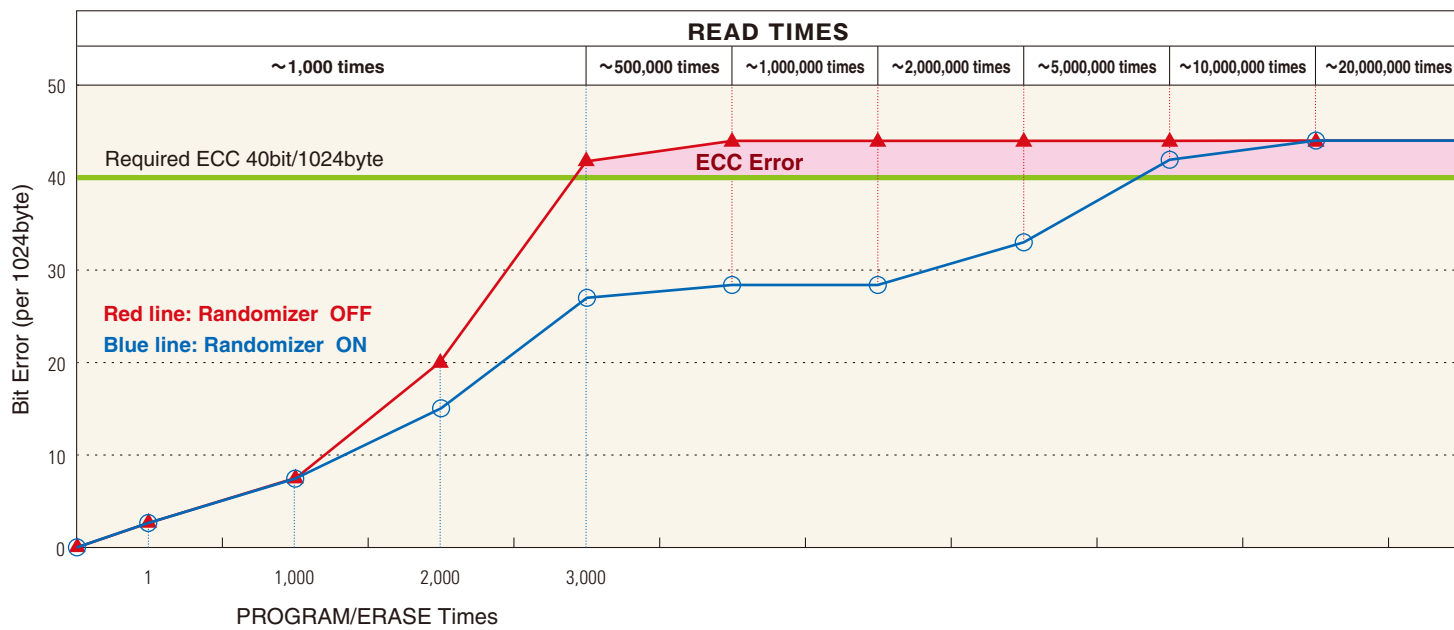
TESTED DATE	2013/9/4 10:20 ~ 2013/9/27 11:30
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TESTED BY	TDK Corp, Flash Memory Applied Business, ESS BU [H. Kamata]
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TEST PROCEDURE	(1) Executed 1,000 times Read to the following flash memory chips, logged bit error.
	No.1: Program/Erase (P/E) Cycle 0
	No.2: P/E Cycle 1
	No.3: P/E Cycle 1000
	No.4: P/E Cycle 2000
	No.5: P/E Cycle 3000
(2) Executed 10 million times Read to No.5 chip, logged bit error.	

SAMPLES	[5] PCS [NAND: type: multi-level cell] <input checked="" type="checkbox"/> CONTROLLER: TDK GBDRIVER RS4 <input checked="" type="checkbox"/>
	(WEEKLY CODE:)
	[5] PCS [NAND: process: 1xn] <input checked="" type="checkbox"/> CONTROLLER: TDK GBDRIVER RS4 <input checked="" type="checkbox"/>
(WEEKLY CODE:)	
[] PCS [NAND: page size: 16KB/Page] <input type="checkbox"/> CONTROLLER: <input type="checkbox"/>	
(WEEKLY CODE:)	

RESULTS	P/E \ READ	RANDOMIZER ON						RANDOMIZER OFF					
		1	500	1,000	2,000	5,000	10,000	1	500	1,000	2,000	5,000	10,000
	0	0						0					
	1	3						3					
	1000	7						7					
	2000	15						20					
	3000	28	29	29	33	43	44	43	44	44	44	44	44



TESTED & REPORTED:	Hiroshi KAMATA	APPROVED:	Shunichi HANAFUSA
2013/9/25	FAE	2013/9/27	FAE