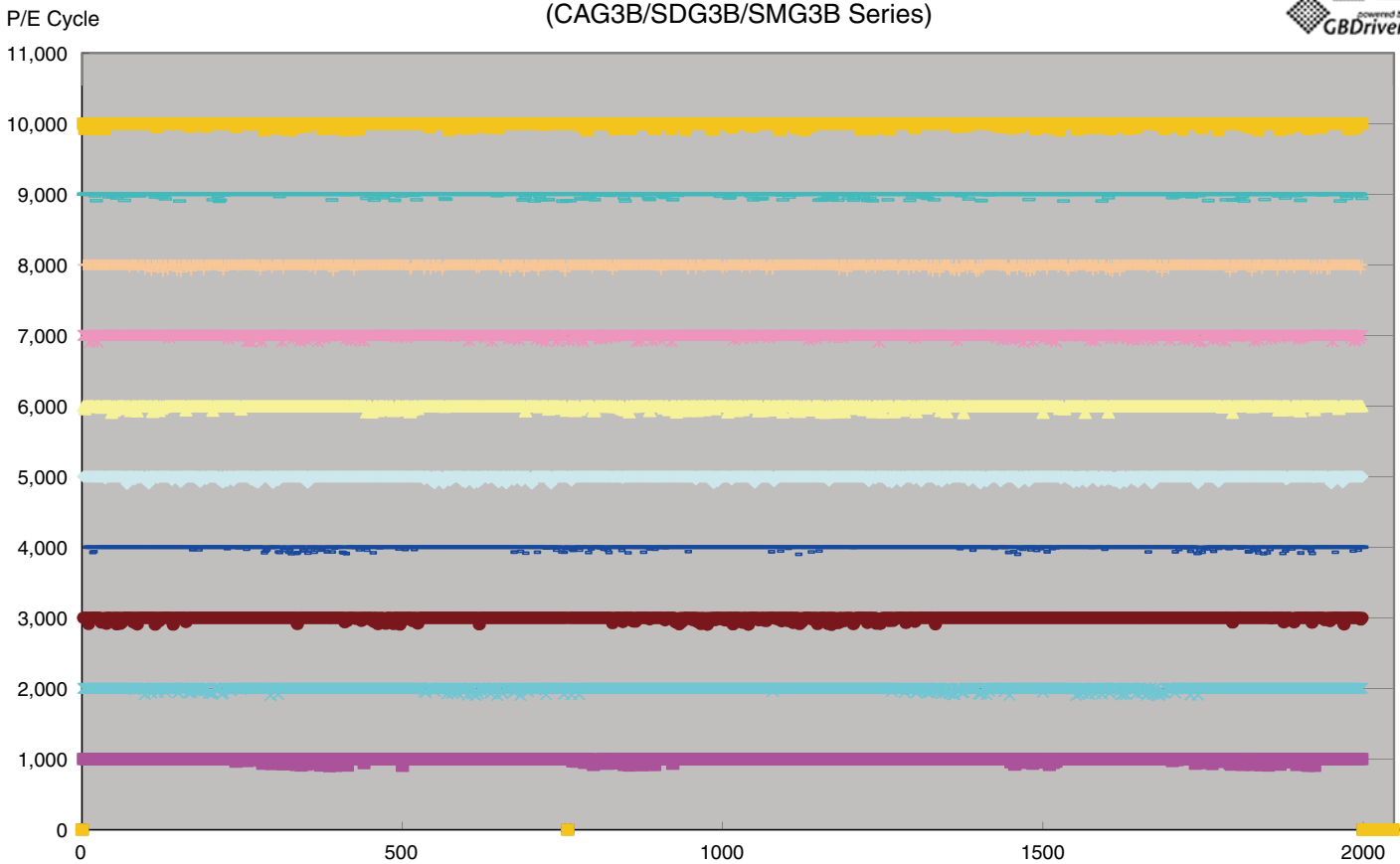


Testing GBDriver RS3 Global Static Wear Levelling Effectiveness

RELATED PRODUCTS	GBDRIVER RS3 (SATA SSD Controller)										
	CAG3B Series (1.0" SATA 3Gbps CFast™ SSD, SDG3B Series (2.5" SATA 3Gbps SSD)										
	SMG3B Series (SATA 3Gbps mSATA Flash Module)										
TESTED DATE	2011/12/1 16:00 ~ 2012/1/24 11:30										
TESTED BY	TDK Corp, Flash Memory Applied Business, ESS BU [K. TAKUBO]										
TEST PROCEDURE	(1) Loaded DOS in [16] Gbit Flash to occupy [90%] of all memory blocks.										
	(2) Executed repeated data writes to the REST [10%] blocks; data size:[128KByte].										
	(3) Logged S.M.A.R.T. data periodically.										
SAMPLES	[5] Samples [NAND: [REDACTED]] <input checked="" type="checkbox"/> (WEEKLY CODE:)	<input checked="" type="checkbox"/> CONTROLLER: TDK GBDRIVER RS3 <input checked="" type="checkbox"/> (WEEKLY CODE: 1011W3BHH)									
	[5] Samples [NAND: [REDACTED]] <input checked="" type="checkbox"/> (WEEKLY CODE:)	<input checked="" type="checkbox"/> CONTROLLER: TDK GBDRIVER RS3 <input checked="" type="checkbox"/> (WEEKLY CODE: 1030LU602)									
	[] Samples [NAND: [REDACTED]] <input type="checkbox"/> (WEEKLY CODE:)	<input type="checkbox"/> CONTROLLER: [REDACTED] <input type="checkbox"/> (WEEKLY CODE:)									
RESULTS	PASS + FAIL										
	Erased Times	1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
	Minimum	963	1,984	3,107	3,995	4,882	5,882	6,886	7,927	8,997	9,887
	Maximum	1,028	2,131	3,275	4,067	5,115	5,993	7,070	8,183	9,157	10,032
%	6.50%	7.35%	5.60%	1.80%	4.66%	1.85%	2.63%	3.20%	1.78%	1.45%	
	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]	<input checked="" type="checkbox"/> OK <input checked="" type="checkbox"/> NG <input type="checkbox"/> /]

TDK "Smart Swap" Global Static Wear Levelling (CAG3B/SDG3B/SMG3B Series)



Block No; Total [2048] Blocks of 16Gbit 8KB/Page SLC Flash Memory

TESTED & REPORTED:
 [ASIC Design Section/FW Team] **DATE: 2011.2.1**
 Kenichi TAKUBO

APPROVED & SUBMITTED:
 [FAE Section] **DATE: 2011.2.2**
 Rikiya KAWATA

