Computer Memory Test Labs

Intel® Advanced Tested Final Report

Manufacturer Name: Dataram
Manufacturer Part #: DTM68300A
Module Size: 32GB
Module Config: 4096M x 72
DRAM Manufacturer: Samsung
DRAM Part #: K4A8G045WD-MCPB rev D
PCB Part #: M386A4G40DM0-V011
PCB Layer Count: 12 Layer
Module Info: Load Reduced 1.2V
Assembly: JEDEC Standard
Register Part: 4RCD0124KC0-ATG
Environment Code: RoHS
Low Profile: 30 mm LP
Bank: 4
Dual Die Package Support

MINIMUM SYSTEM INFORMATION
Minimum System: S2600WT
Serial Number: BQWS42490408
Bios at time of test: SE5C610.86B.01.01.0670
Processor Code: Intel® Xeon® E5-2637 v3 @ 3.50GHz
Memory Count: 256GB
Event Log Verify: Clear
OS Memory Count: 256GB
OS/Service Pack: Windows 2012 Enterprise Edition 64 R2
Software Pack: IWVSS 2.5.3 2.10.1.0073
Disk Manuf: OCZ-SSD 60GB

MAXIMUM SYSTEM INFORMATION
Maximum System: S2600WT
Serial Number: BQWS42490412
Bios at time of test: SE5C610.86B.01.01.0670
Processor Code: Intel® Xeon® E5-2637 v3 @ 3.50GHz
Memory Count: 768GB
Event Log Verify: Clear
OS Memory Count: 768GB
OS/Service Pack: Windows 2012 Enterprise Edition 64 R2
Software Pack: IWVSS 2.5.3 2.10.1.0073
Disk Manuf: OCZ-SSD 60GB

PRE-TESTING INFORMATION
Board Revision: H40442-001
Insertion Test: Pass
SPD Check: Pass
Speed Check: Pass
Power Cycle: Pass
Power Cycle Time: 100

TESTING DETAILS [- Side]

Temperature: 40°C
Start Date: 2/23/2015
Stop Date: 2/26/2015
Min IWVSS Test Status: Pass
Max IWVSS Test Status: Pass
SEL Min: Pass
SEL Max: Pass
Memory Count: 256GB
Min configuration memory speed ran @ 2133MHz
Mid configuration memory speed ran @ 2133MHz; memory count 512GB
Max configuration memory speed ran @ 1600MHz

TESTING DETAILS [+ Side]

Temperature: 40°C
Start Date: 2/23/2015
Stop Date: 2/26/2015
Min IWVSS Test Status: Pass
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SEL Min: Pass
SEL Max: Pass
Memory Count: 256GB

Test Notes:

Min configuration memory speed ran @ 2133MHz
Mid configuration memory speed ran @ 2133MHz; memory count 512GB
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Voltage Margining Info
Volt % VPP2.5 & VDDQ1.2
Volt Low 2.42v & 1.1v
Volt High 2.64v & 1.22v