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S5520UR Urbanna Memory Compatibility Test Report

Completed by:	Andy C	TEMPERATURE AND VOLTAGE SETTINGS				
Completion Date:	7/1/2015	Corner	Temp (°C)	CPU 1 Modify DRAM 1.5v to	CPU 0 Modify DRAM 1.5v to	Duration
AVL WorkOrder #	WD3742	A	55°C	1.55v	1.55v	6 hrs.
AVL A#	A10270	B	0°C	1.55v	1.55v	6 hrs.
		C	55°C	1.45v	1.45v	6 hrs.
		D	0°C	1.45v	1.45v	6 hrs.

Memory Modules Tested

Vendor	DIMM P/N / Type	Voltage	Size	Density	Speed	CL	R/C	Rank
Kingston	KVR16LR11D4/16l RDIMM	1.35v	16GB	2Gx72	1600	11	E	2
DRAM Vendor / P/N / Date Code		DRAM Density / Width		Register Vendor / Rev.		DIMM Composition		
Hynix	H5TC4G43BFR-PBA 1438	4Gb	1024Mx4bit	Inphi	GS02	(1024Mx4)x2*72		

Leveraged Memory Modules

Vendor	DIMM P/N / Type	Voltage	CL	Speed
Kingston	KVR16R11D4/16l RDIMM	1.5v	11	1600

System Configuration

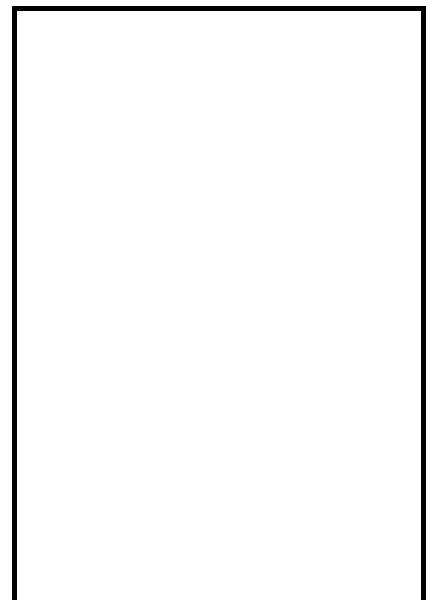
SETUP	Red	Blue
AVL S/N	SI7040	SI3680
S/N	BZUB94004593	BZUB94004589
PBA	E22554-650	
BMC	60	
BIOS	61 / 46(Rank Margin Test)	
ME	1.12	
FUR	26	
OS	Win2K3 Enterprise 64bit SP2	
Test Tool	iWVSS 2.1.0, SELViewer, PvMode tool, DDRSpeed	
CPU 1	Type	Westmere 2.8GHz Q4EJ-X5650 B1 Step 95W 1333
	Pr. Code	AT80614005127AA-3952A555
	Type	Westmere 2.8GHz Q4EJ-X5650 B1 Step 95W 1333
CPU 2	Pr. Code	AT80614005127AA-3952A555

Test Results

Comments

4C Minimum Loading						
Start Date	6/19/2015					
DIMM	S/N	A	B	C	D	
CPU1 A2						
CPU1 A1	SV4390	P	P	P	P	
CPU1 B2						
CPU1 B1	SV4391	P	P	P	P	
CPU1 C2						
CPU1 C1	SV4392	P	P	P	P	
CPU2 D2						
CPU2 D1	SV4393	P	P	P	P	
CPU2 E2						
CPU2 E1	SV4394	P	P	P	P	
CPU2 F2						
CPU2 F1	SV4395	P	P	P	P	
AC/DC Power Cycling						
50 AC Cycles/corner		P	P	P	P	
50 DC Cycles/corner		P	P	P	P	

4C Maximum Loading						
Start Date	6/15/2015					
DIMM	S/N	A	B	C	D	
CPU1 A2	SV4390	P	P	P	P	
CPU1 A1	SV4391	P	P	P	P	
CPU1 B2	SV4392	P	P	P	P	
CPU1 B1	SV4393	P	P	P	P	
CPU1 C2	SV4394	P	P	P	P	
CPU1 C1	SV4395	P	P	P	P	
CPU2 D2	SV4396	P	P	P	P	
CPU2 D1	SV4397	P	P	P	P	
CPU2 E2	SV4398	P	P	P	P	
CPU2 E1	SV4399	P	P	P	P	
CPU2 F2	SV4400	P	P	P	P	
CPU2 F1	SV4401	P	P	P	P	
AC/DC Power Cycling						
50 AC Cycles/corner		P	P	P	P	
50 DC Cycles/corner		P	P	P	P	



Module Image

