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### S5520UR Urbanna Memory Compatibility Test Report

<b>Completed by:</b>	Andy C	<b>TEMPERATURE AND VOLTAGE SETTINGS</b>				
<b>Completion Date:</b>	4/10/2015	Corner	Temp (°C)	CPU 1 Modify DRAM 1.5v to	CPU 0 Modify DRAM 1.5v to	Duration
<b>AVL WorkOrder #</b>	<b>WD2916</b>	A	55°C	1.55v	1.55v	6 hrs.
<b>AVL A#</b>	<b>A10338</b>	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	KVR16LE11S8/4I	UDIMM ECC	1.35v	4GB	512Mx72	1600	11	D	1
DRAM Vendor / P/N / Date Code			DRAM Density / Width		Register Vendor / Rev.		DIMM Composition		
Hynix	H5TC4G83BFR-PBA		1444	4Gb	512Mx8bit			(512Mx8)*72	

#### Leveraged Memory Modules

Vendor	DIMM P/N / Type		Voltage	CL	Speed
Kingston	KVR16E11S8/4I	UDIMM ECC	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	
CPU 2	Type	Westmere 2.8GHz
		Q4EJ-X5650
		B1 Step 95W 1333
Pr. Code	AT80614005127AA-3952A555	

#### Test Results

#### Comments

4C						
Minimum Loading						
Start Date		3/27/2015				
DIMM	S/N	A	B	C	D	
CPU1 A2						
CPU1 A1	Sv6236	P	P	P	P	
CPU1 B2						
CPU1 B1	SV6237	P	P	P	P	
CPU1 C2						
CPU1 C1	SV6238	P	P	P	P	
CPU2 D2						
CPU2 D1	SV6239	P	P	P	P	
CPU2 E2						
CPU2 E1	SV6240	P	P	P	P	
CPU2 F2						
CPU2 F1	SV6241	P	P	P	P	
AC/DC Power Cycling						
50 AC Cycles/corner			P			P
50 DC Cycles/corner			P			P

4C						
Maximum Loading						
Start Date		3/20/2015				
DIMM	S/N	A	B	C	D	
CPU1 A2	SV6236	P	P	P	P	
CPU1 A1	SV6237	P	P	P	P	
CPU1 B2	SV6238	P	P	P	P	
CPU1 B1	SV6239	P	P	P	P	
CPU1 C2	SV6240	P	P	P	P	
CPU1 C1	SV6241	P	P	P	P	
CPU2 D2	SV6242	P	P	P	P	
CPU2 D1	SV6243	P	P	P	P	
CPU2 E2	SV6244	P	P	P	P	
CPU2 E1	SV6245	P	P	P	P	
CPU2 F2	SV6246	P	P	P	P	
CPU2 F1	SV6247	P	P	P	P	
AC/DC Power Cycling						
50 AC Cycles/corner			P			P
50 DC Cycles/corner			P			P

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Module Image

