



Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel S2600WT (Wildcat Pass)	Test Result: Pass

Leveraged System(s):N/A

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR21R15S4/8L	RDIMM	1.2V	8GB	1Gx72	2133	15	C	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Kingston	H5AN4G4NAFR-TFC	4Gb	1024Mx4bit	1547	Montage	1	(1024Mx4)*72		

Leveraged Memory Modules						
Vendor	Type	Voltage	CL	Speed		
1 Kingston	KVR11R15S4K4/32L	RDIMM	1.2V	15	2133	
2						
3						
4						
5						
6						

System Configuration		
SETUP	System #1	System #2
AVL S/N	SV2346	SV2347
System S/N	BQWL42200131 / LVPP	BQWL42200377 / HVPP
Board Rev. (PBA)	G92187-300	
CPU Type	E5-2637 v3 / 3.50 GHz	
Chipset	C610	
BIOS / Date	01.01.0014 / 12-18-2015	
BMC / ME	01.33.8932 / 03.01.03.005	
FUR/SDR	1.08	
OS	Windows Server 2012 R2	
Test Tool	iWVSS 2.6.1, SELViewer, Syscfg, WinPIRA	

Testing Summary		
Test Items	Test Description	Test Results
1. Latest BIOS Upgrade & Configuration check	Record memory Size and Speed detection from BIOS	Done
2. SPD Check	DIMM SPD content check for JEDEC compliance	Pass
3. Memory Stress	Test for 6 hours @ Max and Min Loading	HVDD/HVPP Hot
4. Memory Stress		HVDD/HVPP Cold
5. Memory Stress		LVDD/LVPP Hot
6. Memory Stress		LVDD/LVPP Cold
6. Power Cycle	Test each corner for 50 cycle in room temp	Pass
Note:		

Memory Module Image



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	02/18/16	AVL A#	A11041	AVL W/O	WD4999
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		2/2/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1477	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SY1478	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SY1479	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SY1480	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SY1481	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SY1482	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SY1483	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SY1484	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		02/02/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1461	P	P	P	P
CPU1 A2	SY1462	P	P	P	P
CPU1 A3					
CPU1 B1	SY1463	P	P	P	P
CPU1 B2	SY1464	P	P	P	P
CPU1 B3					
CPU1 C1	SY1465	P	P	P	P
CPU1 C2	SY1466	P	P	P	P
CPU1 C3					
CPU1 D1	SY1467	P	P	P	P
CPU1 D2	SY1468	P	P	P	P
CPU1 D3					
CPU2 E1	SY1469	P	P	P	P
CPU2 E2	SY1470	P	P	P	P
CPU2 E3					
CPU2 F1	SY1471	P	P	P	P
CPU2 F2	SY1472	P	P	P	P
CPU2 F3					
CPU2 G1	SY1473	P	P	P	P
CPU2 G2	SY1474	P	P	P	P
CPU2 G3					
CPU2 H1	SY1475	P	P	P	P
CPU2 H2	SY1476	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		2/2/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1461	P	P	P	P
CPU1 A2	SY1462	P	P	P	P
CPU1 A3	SY1463	P	P	P	P
CPU1 B1	SY1464	P	P	P	P
CPU1 B2	SY1465	P	P	P	P
CPU1 B3	SY1466	P	P	P	P
CPU1 C1	SY1467	P	P	P	P
CPU1 C2	SY1468	P	P	P	P
CPU1 C3	SY1469	P	P	P	P
CPU1 D1	SY1470	P	P	P	P
CPU1 D2	SY1471	P	P	P	P
CPU1 D3	SY1472	P	P	P	P
CPU2 E1	SY1473	P	P	P	P
CPU2 E2	SY1474	P	P	P	P
CPU2 E3	SY1475	P	P	P	P
CPU2 F1	SY1476	P	P	P	P
CPU2 F2	SY1477	P	P	P	P
CPU2 F3	SY1478	P	P	P	P
CPU2 G1	SY1479	P	P	P	P
CPU2 G2	SY1480	P	P	P	P
CPU2 G3	SY1481	P	P	P	P
CPU2 H1	SY1482	P	P	P	P
CPU2 H2	SY1483	P	P	P	P
CPU2 H3	SY1484	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P