



**Advanced Validation Labs, Inc.**

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: <b>Intel S2600WT (Wildcat Pass)</b>	Test Result: <b>Pass</b>

Leveraged System(s):N/A

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR21R15D4/16I	RDIMM	1.2V	16GB	2Gx72	2133	15	A	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Kingston	H5AN4G4NAFR-TFC	4Gb	1024Mx4bit	1547	Montage	1	(1024Mx4)*2*72		

Leveraged Memory Modules						
	Vendor		Type	Voltage	CL	Speed
1	Kingston	KVR11R15D4K4/64I	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:	02/25/16	AVL A#	A11042	AVL W/O	WD5013
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		2/1/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1486	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SY1487	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SY1488	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SY1489	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SY1490	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SY1491	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SY1492	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SY1493	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		02/01/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1486	P	P	P	P
CPU1 A2	SY1487	P	P	P	P
CPU1 A3					
CPU1 B1	SY1488	P	P	P	P
CPU1 B2	SY1489	P	P	P	P
CPU1 B3					
CPU1 C1	SY1490	P	P	P	P
CPU1 C2	SY1491	P	P	P	P
CPU1 C3					
CPU1 D1	SY1492	P	P	P	P
CPU1 D2	SY1493	P	P	P	P
CPU1 D3					
CPU2 E1	SY1494	P	P	P	P
CPU2 E2	SY1495	P	P	P	P
CPU2 E3					
CPU2 F1	SY1496	P	P	P	P
CPU2 F2	SY1497	P	P	P	P
CPU2 F3					
CPU2 G1	SY1498	P	P	P	P
CPU2 G2	SY1499	P	P	P	P
CPU2 G3					
CPU2 H1	SY1500	P	P	P	P
CPU2 H2	SY1501	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		2/1/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1486	P	P	P	P
CPU1 A2	SY1487	P	P	P	P
CPU1 A3	SY1488	P	P	P	P
CPU1 B1	SY1489	P	P	P	P
CPU1 B2	SY1490	P	P	P	P
CPU1 B3	SY1491	P	P	P	P
CPU1 C1	SY1492	P	P	P	P
CPU1 C2	SY1493	P	P	P	P
CPU1 C3	SY1494	P	P	P	P
CPU1 D1	SY1495	P	P	P	P
CPU1 D2	SY1496	P	P	P	P
CPU1 D3	SY1497	P	P	P	P
CPU2 E1	SY1498	P	P	P	P
CPU2 E2	SY1499	P	P	P	P
CPU2 E3	SY1500	P	P	P	P
CPU2 F1	SY1501	P	P	P	P
CPU2 F2	SY1502	P	P	P	P
CPU2 F3	SY1503	P	P	P	P
CPU2 G1	SY1504	P	P	P	P
CPU2 G2	SY1505	P	P	P	P
CPU2 G3	SY1506	P	P	P	P
CPU2 H1	SY1507	P	P	P	P
CPU2 H2	SY1508	P	P	P	P
CPU2 H3	SY1509	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P