



### 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): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WT2YSR, R2208WTTYC1, R2208WTTYC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, R2308WTTGS, R2308WTTYS, R2308WTTYSR, R2312WTTYS, R2312WTTYSR, R2312WTxxx, S2600WT, S2600WT2, S2600WT2R, S2600WTT, S2600WTTTR, S2600WTTTS1R

### Modules Information

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR24R17S4/8I	RDIMM	1.2V	8GB	1Gx72	2400	17	C	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Micron	MT40A1G4RH-083E:B	4Gb	1024Mx4bit	1618	Inphi	GS01	(1024Mx4)*72		

### Leveraged Memory Modules

Vendor	Type	Voltage	CL	Speed
1 Kingston	KVR24R17S4K4/32I	RDIMM	1.2V	17 2400
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	E5-2690 v4 / 2.60 GHz	
Chipset	C610	
BIOS / Date	01.01.0015 / 01-28-2016	
BMC / ME	01.43.9685 / 03.01.03.021	
FUR/SDR	1.12	
OS	Windows Server 2012 R2	
Test Tool	iVSS 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 Pass
4. Memory Stress		HVDD/HVPP Cold Pass
5. Memory Stress		LVDD/LVPP Hot Pass
6. Memory Stress		LVDD/LVPP Cold Pass
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:	07/21/16	AVL A#	A11430	AVL W/O	WD6304
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Comments:

Test Results

4C					
Minimum Loading					
Start Date		7/13/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ6603	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SZ6604	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SZ6605	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SZ6606	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SZ6607	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SZ6608	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SZ6609	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SZ6610	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		07/13/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ6587	P	P	P	P
CPU1 A2	SZ6588	P	P	P	P
CPU1 A3					
CPU1 B1	SZ6589	P	P	P	P
CPU1 B2	SZ6590	P	P	P	P
CPU1 B3					
CPU1 C1	SZ6591	P	P	P	P
CPU1 C2	SZ6592	P	P	P	P
CPU1 C3					
CPU1 D1	SZ6593	P	P	P	P
CPU1 D2	SZ6594	P	P	P	P
CPU1 D3					
CPU2 E1	SZ6595	P	P	P	P
CPU2 E2	SZ6596	P	P	P	P
CPU2 E3					
CPU2 F1	SZ6597	P	P	P	P
CPU2 F2	SZ6598	P	P	P	P
CPU2 F3					
CPU2 G1	SZ6599	P	P	P	P
CPU2 G2	SZ6600	P	P	P	P
CPU2 G3					
CPU2 H1	SZ6601	P	P	P	P
CPU2 H2	SZ6602	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		7/13/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ6612	P	P	P	P
CPU1 A2	SZ6613	P	P	P	P
CPU1 A3	SZ6614	P	P	P	P
CPU1 B1	SZ6615	P	P	P	P
CPU1 B2	SZ6616	P	P	P	P
CPU1 B3	SZ6617	P	P	P	P
CPU1 C1	SZ6618	P	P	P	P
CPU1 C2	SZ6619	P	P	P	P
CPU1 C3	SZ6620	P	P	P	P
CPU1 D1	SZ6621	P	P	P	P
CPU1 D2	SZ6622	P	P	P	P
CPU1 D3	SZ6623	P	P	P	P
CPU2 E1	SZ6624	P	P	P	P
CPU2 E2	SZ6625	P	P	P	P
CPU2 E3	SZ6626	P	P	P	P
CPU2 F1	SZ6627	P	P	P	P
CPU2 F2	SZ6628	P	P	P	P
CPU2 F3	SZ6629	P	P	P	P
CPU2 G1	SZ6630	P	P	P	P
CPU2 G2	SZ6631	P	P	P	P
CPU2 G3	SZ6632	P	P	P	P
CPU2 H1	SZ6633	P	P	P	P
CPU2 H2	SZ6634	P	P	P	P
CPU2 H3	SZ6635	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P