



**Advanced Validation Labs, Inc.**

17665B Newhope Street, Fountain Valley, CA 92708 (714) 435-2630



**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, S2600WTTT, S2600WTTT1R

**Modules Information**

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR24R17D8/16I	RDIMM	1.2V	16GB	2Gx72	2400	17	E	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code		Register Vendor / Rev.		DIMM Composition			
Micron	MT40A1G8PM-083E:A	8Gb	1024Mx8bit	1612	Montage	D00G	(1024Mx8)*2*72		

**Leveraged Memory Modules**

Vendor	Type	Voltage	CL	Speed
1 Kingston	KVR24R17D8K4/64I	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:	09/12/16	AVL A#	A11353	AVL W/O	WD6057
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		8/1/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ2678	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SZ2679	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SZ2680	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SZ2681	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SZ2682	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SZ2683	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SZ2684	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SZ2685	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		08/01/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ2662	P	P	P	P
CPU1 A2	SZ2663	P	P	P	P
CPU1 A3					
CPU1 B1	SZ2664	P	P	P	P
CPU1 B2	SZ2665	P	P	P	P
CPU1 B3					
CPU1 C1	SZ2666	P	P	P	P
CPU1 C2	SZ2667	P	P	P	P
CPU1 C3					
CPU1 D1	SZ2668	P	P	P	P
CPU1 D2	SZ2669	P	P	P	P
CPU1 D3					
CPU2 E1	SZ2670	P	P	P	P
CPU2 E2	SZ2671	P	P	P	P
CPU2 E3					
CPU2 F1	SZ2672	P	P	P	P
CPU2 F2	SZ2673	P	P	P	P
CPU2 F3					
CPU2 G1	SZ2674	P	P	P	P
CPU2 G2	SZ2675	P	P	P	P
CPU2 G3					
CPU2 H1	SZ2676	P	P	P	P
CPU2 H2	SZ2677	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		8/1/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SZ2637	P	P	P	P
CPU1 A2	SZ2638	P	P	P	P
CPU1 A3	SZ2639	P	P	P	P
CPU1 B1	SZ2640	P	P	P	P
CPU1 B2	SZ2641	P	P	P	P
CPU1 B3	SZ2642	P	P	P	P
CPU1 C1	SZ2643	P	P	P	P
CPU1 C2	SZ2644	P	P	P	P
CPU1 C3	SZ2645	P	P	P	P
CPU1 D1	SZ2646	P	P	P	P
CPU1 D2	SZ2647	P	P	P	P
CPU1 D3	SZ2648	P	P	P	P
CPU2 E1	SZ2649	P	P	P	P
CPU2 E2	SZ2650	P	P	P	P
CPU2 E3	SZ2651	P	P	P	P
CPU2 F1	SZ2652	P	P	P	P
CPU2 F2	SZ2653	P	P	P	P
CPU2 F3	SZ2654	P	P	P	P
CPU2 G1	SZ2655	P	P	P	P
CPU2 G2	SZ2656	P	P	P	P
CPU2 G3	SZ2657	P	P	P	P
CPU2 H1	SZ2658	P	P	P	P
CPU2 H2	SZ2659	P	P	P	P
CPU2 H3	SZ2660	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P