

	AVL Supermicro server platform Memory Module Qualification Test		
	Intel E5-2650(SNB-EP) x 2, Intel C602		Test Results
	PN: KVR13LR9S4/8HA (8GB / RDIMM / ECC) On: X9DAI Rev.1234567890		Pass

RP77D3x-106-KI-SQ-SMC-V2		Module Information		Rev 05/30/2012
AVL WorkOrder #	WC7177	AVL A#	9156	
Start Date	5/21/2013	End Date	5/23/2013	
Tested By	Van N.			
Module Manufacturer	Kingston			
Module Part Number	KVR13LR9S4/8HA			
Module BOM Number	9965433-099.A00LF			
Module Capacity / Memory Type / ECC	8GB / RDIMM / ECC			
Module Configuration (Width, # of devices, # of Ranks)	1Gx72 /18 Devices / 1 Rank			
Speed Tested (Data rate of Mbps, CL-tRP-tRCD)	DDR3-1333 /9-9-9			
DRAM Device Vendor	Hynix			
DRAM Device Part Number / Date code	H5TC4G43AFR-PBA		1313	
DRAM Die Revision / Process Technology (nm)	A			
DRAM Device Config (Density / Width)	1Gbit / x4		1GX4Bit	
Thermal Sensor Device Vendor / Part Number / Revision	STMicro			
Register Device Vendor / Part Number / Revision	Inphi		INSSTE32882UV-GS02	



Platform System Information				
Motherboard Info (Model# & MB Revision & MB S/N & AVL S/N)	X9DAI	1234567890	UM23S30507	SN9376
BIOS Revision / BIOS Date	1		2/3/2012	
CPU / Speed	Intel E5-2650(SNB-EP) x 2		2.0GHz	
Chipset info (Stepping)	Intel C602			



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Test Results:

PASS

Comments:

AVL Memory Module Qual Test Results Summary

Test # and name	Test Description	Specs	Test	Comments
			Results	
1. Latest BIOS Upgrade & Configuration	Download / Upgrade latest BIOS & record size and speed detection		Done	
2. SPD Check	Memory module SPD content check for JEDEC compliance	JEDEC	Pass	Use proprietary tools
3. Reset Cycle	Run Linux based diags & utility software @ 55°C	50 loops	Pass	1 DIMM Per Channel when applicable
4a. Stress Application Test	Run Linux based diags & utility software @55°C	8 Hour per config	Pass	DIMM Loading per spec
4b. Stream Benchmark Test		5 loop per config	Pass	DIMM Loading per spec
4b. Reset Cycle		200 loop per config	Pass	DIMM Loading per spec
5. Functional Stress Test	Memory Stress Test @55°C -	12hrs	Pass	DIMM Loading per spec
6. Stress Application Test	Run Linux based diags & utility software @55°C	8hrs	N/A	3 DIMM Per Channel when applicable

Note: All test under IMC Vdd=Nom, Vref=Vddnom/2