# Intel® Advanced Tested Final Report

## Computer Memory Test Labs

### Motherboard Information

<table>
<thead>
<tr>
<th>MOTHERBOARD</th>
<th>MANUFACTURER</th>
<th>CHIPSET</th>
<th>TEST NUMBER</th>
<th>TEST STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D54250WYB/D54250WYK</td>
<td>Intel</td>
<td>Intel® QM87</td>
<td>021785</td>
<td>PASSED</td>
</tr>
</tbody>
</table>

### Memory Module Information

Manufacturer Name: Avant Technology  
Manufacturer Part #: AVH6451U67G1600GF-NYCP  
CMTL Part #: AVT340  
Environment Code: RoHS

DRAM Manufacturer: Nanya  
Low Profile: 30mm LP

DRAM Part #: NT5CC512M8CN-DI rev C

Module Config: 512M x 64

Module Size: 4GB

PCB Part #: 50-1469-01-B rev B

PCB Layer Count: 6 Layer

Assembly Type: Single Board/Non Stacked

Module Information: Unbuffered 1.35V Non-ECC 1600Mhz DDR3 SODIMM

### System Information

#### Minimum System Information

- Minimum System: D54250WYB/D54250WYK  
- Serial Numbe: GEWY334005E  
- Board Revision: H13922-301  
- Bios Memory Coun: 4GB  
- Processor Code: Intel® Core™ i5-4250 @ 1.30GHz  
- Bios at time of test: WYLPT10H.86A.0018.2013.0918.2135  
- RST PRO Count: 4G/510M

#### Maximum System Information

- Maximum System: D54250WYB/D54250WYK  
- Serial Numbe: GEWY334005N4  
- Board Revision: H13922-301  
- Bios Memory Coun: 8GB  
- Processor Code: Intel® Core™ i5-4250 @ 1.30GHz  
- Bios at time of test: WYLPT10H.86A.0018.2013.0918.2135  
- R.S.T PRO Count: 8G/510M

### Testing Details

- 55°C Temperature / Standard Voltage
- Start Date: 10/3/2013  
- Stop Date: 10/4/2013

- Insertion Test: Pass  
- SPD Check: Pass

- Minimum Load: Pass  
- Maximum Load: Pass

- S0 ~ S5 Test: Pass  
- Power Cycle Test: Pass

- Test Card Version: R.S.T Premium v6.05

Microsoft Windows-7 64bit version is used as it support over 4GB memory and must support target chipset/CPU platform. All board drivers must be loaded when drivers are available on Intel web site. Front panel power cycling test, ACPI S3 sleep state cycling test, and Hibernate S4/S5 state cycling test is done up to 20 cycle each when the board support it. At least 2 loops of all test under R.S.T PRO3 to be completed.

**Test Notes:**

- Min configuration, 5 Loops Passed, 0 Error; Memory speed running @ 1600MHz
- Max configuration, 5 Loops Passed, 0 Error; Memory speed running @ 1600MHz

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