# Computer Memory Test Labs
## Intel® Advanced Tested Final Report

### MOTHERBOARD | MANUFACTURER | CHIPSET | TEST NUMBER | TEST STATUS
---|---|---|---|---
D54250WYB/D54250WYK | Intel | Intel® QM87 | 021808 | PASSED

### MEMORY MODULE INFORMATION

<table>
<thead>
<tr>
<th>Manufacturer Name</th>
<th>AXM030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer Part #</td>
<td>AX31600S11Z/4GL-HYAP</td>
</tr>
<tr>
<td>DRAM Manufacturer</td>
<td>SKhynix</td>
</tr>
<tr>
<td>DRAM Part #</td>
<td>H5TC4G83AFR-PBA rev A</td>
</tr>
<tr>
<td>Module Config</td>
<td>512M x 64</td>
</tr>
<tr>
<td>Module Size</td>
<td>4GB</td>
</tr>
<tr>
<td>PCB Part #</td>
<td>50-1469-01-B rev B</td>
</tr>
<tr>
<td>PCB Layer Count</td>
<td>6 Layer</td>
</tr>
<tr>
<td>Module Information</td>
<td>Unbuffered 1.35V Non-ECC 1600Mhz DDR3 SODIMM</td>
</tr>
</tbody>
</table>

### SYSTEM INFORMATION

<table>
<thead>
<tr>
<th>Minimum System Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum System:</td>
</tr>
<tr>
<td>Serial Numbe:</td>
</tr>
<tr>
<td>Board Revision:</td>
</tr>
<tr>
<td>Bios Memory COUN:</td>
</tr>
<tr>
<td>Processor Code:</td>
</tr>
<tr>
<td>Bios at time of test:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum System Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum System:</td>
</tr>
<tr>
<td>Serial Numbe:</td>
</tr>
<tr>
<td>Board Revision:</td>
</tr>
<tr>
<td>Bios Memory COUN:</td>
</tr>
<tr>
<td>Processor Code:</td>
</tr>
<tr>
<td>Bios at time of test:</td>
</tr>
</tbody>
</table>

### TESTING DETAILS

<table>
<thead>
<tr>
<th>55°C Temperature / Standard Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start Date:</td>
</tr>
<tr>
<td>Stop Date:</td>
</tr>
<tr>
<td>Insertion Test:</td>
</tr>
<tr>
<td>SPD Check:</td>
</tr>
<tr>
<td>Minimum Load:</td>
</tr>
<tr>
<td>Maximum Load:</td>
</tr>
<tr>
<td>S0 ~ S5 Test:</td>
</tr>
<tr>
<td>Power Cycle Test:</td>
</tr>
<tr>
<td>Test Card Version:</td>
</tr>
</tbody>
</table>

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