



Reliability Laboratory

## TEST REPORT

Report No.: HC20127/2010  
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Date: March 12, 2010

i-Tech Company LLC  
42978 Osgood Road Fremont,  
CA 94539 USA

The following merchandise was submitted and identified by the vendor as:

Product Description: 24" Ruggedized Military LCD Monitor  
Style/ Item No.: WMRM2400/ No. 1  
Quantity: Total 1 set  
Testing Period: Mar. 1, 2010 to Mar. 4, 2010

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)  
1 . Operating High Temperature test

Test Results : -PLEASE SEE ATTACHED SHEETS-

Terence Hsieh  
Manager - Operation

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## 1. Operating High Temperature test:

### Test Equipment:

Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	KSON	THS-D6S-150	3499

### Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

### Test Method/ Specification:

Test method: Reference to MIL-STD-810G, Method 501.5 Test Procedure II, Table 501.5-I Basic Hot (Summary of high temperature diurnal cycle range).

Temperature: 30 to 63°C

Test duration: For a period of 72 Hours (3 Cycles)

Time of Day	Temperature (°C)
01:00	33
02:00	32
03:00	32
04:00	31
05:00	30
06:00	31
07:00	34
08:00	38
09:00	42
10:00	45
11:00	51
12:00	57
13:00	61
14:00	63
15:00	63
16:00	62
17:00	60
18:00	57
19:00	50
20:00	44
21:00	38
22:00	35
23:00	34
24:00	33

Test cycle: 3 cycles

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## Test Method/ Specification--Continued:

- Sample condition: Operating
- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power then examine whether the display function of specimen could be work normally or not.
- After the preconditioning time, the temperature cycle is started at normal ambient temperature  $T_N$  and run as shown in Fig.1. The equipment in its high temperature mode, shall exposed to daily high temperature cycles between 24 Hours at 30 to 63°C. The equipment shall withstand the required environmental conditions and shall meet, without any functional damage, all performance requirements after being exposed to 3 cycles of high temperatures, as illustrated in Figure 1. Performance check: Running Window XP with stress software BCM diagnostics Pro version 2.30.

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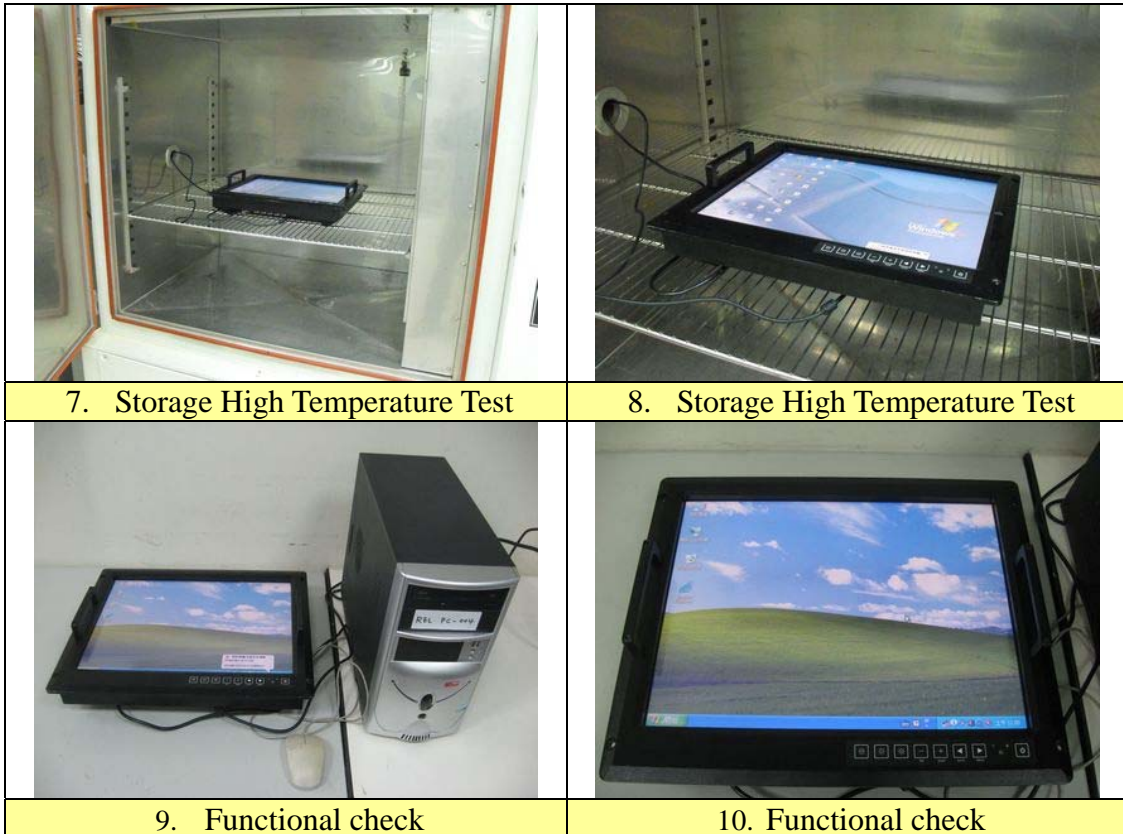
Specimen:Style/ Item No. : WMRM2400/ No. 1Quantity : total 1 setTest Result:

<b>Check Item</b> Style/Item No.	<b>Appearance check</b> (Visual check)	<b>Functional Check &amp;</b> <b>Performance Check</b>
<b>WMRM2400/ No. 1</b>	No visible damage	Normal

Test Photos:

	
<p>1. Appearance of specimen (WMRM2400)</p>	<p>2. Appearance of specimen (WMRM2400)</p>
	
<p>3. Appearance of specimen (WMRM2400)</p>	<p>4. Appearance of specimen (WMRM2400)</p>
	
<p>5. Appearance of specimen (WMRM2400)</p>	<p>6. Appearance of specimen (WMRM2400)</p>

Test Photos--Continued:



— — — **The End of Test Report** — — —