

# ULTRAVIOLET RADIATION TEST REPORT

Company : Apacer Technology Inc.  
 Address : 3F, No. 83, Sec 2, Kur Wong Rd. Aspire Park. Lung Tan Hsiang,  
 Tao Yuan Hsien, Taiwan, R.O.C.  
 Product Name : Industrial microSD  
 Date Received : JUN 13, 2012  
 Date Tested : JUN 13, 2012 ~ JUN 15, 2012

## TESTING LABORATORY IS ACCREDITED BY:

IEC/IECQ 17025 certificate of independent test laboratory approval

Certificate No. : T1091

ISO 17025 accredited in respect of laboratory is approved by TAF

Certificate No. : L0835-090819

ISO 9001 certificate is approved by TUV CERT certification body of TUV NORD Cert GmbH

## WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

	Name	Signature	Date
Test Engineer	Gin Lu	<i>Gin Lu</i>	Aug 10, 2012
Manager	General Lee	<i>General</i>	Aug 10, 2012

## **NOTE :**

1. This report will be invalid if reproduced in part or altered in any way.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used otherwise.
3. This report is ONLY valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.



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## **1. GENERAL INFORMATION**

### **1.1 DESCRIPTION OF UNIT**

Manufacturer : Apacer Technology Inc.

Product name : Industrial microSD

Model no. : AP-MSD01GISI-xT, AP-MSD02GISI-xT

Sample quantity : Each 5 units / model no., total of 10 units

### **1.2 UNIT OPERATING CONDITION:**

None

## 2. ULTRAVIOLET RADIATION TEST

### 2.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date
ATLAS UV 2000	20155	MAY 11, 2012

### 2.2 LABORATORY AMBIENCE CONDITION

Temperature :  $23\pm 3^{\circ}\text{C}$

Relative humidity :  $55\%\pm 3\%$  (RH)

### 2.3 REFERENCE DOCUMENT

The test specification is based on customer's request.

### 2.4 TEST CONDITION

Units are non-operating.

UVB bandwidth : 313nm

Test irradiation :  $0.53 \text{ w/m}^2/\text{nm}$

Temperature :  $45^{\circ}\text{C}$

Duration of test : 48 hours

Note : UVB-313 Lamps for Daylight UV at during test

Bandpass , nm	Fluorescent UVB-313 Lamp <sup>A</sup>
260 - 270	< 0.1 %
271 - 280	0.1–0.7 %
281 - 290	3.2–4.4 %
291 - 300	10.7–13.7 %
301 - 320	38.0–44.6 %
321 - 340	25.5–30.9 %
341 - 360	7.7–10.7 %
361 - 380	2.5–5.5 %
381 - 400	0.0–1.5 %

## 2.5 SUMMARY OF TEST

After testing, visual inspection showed no physical defect on unit.

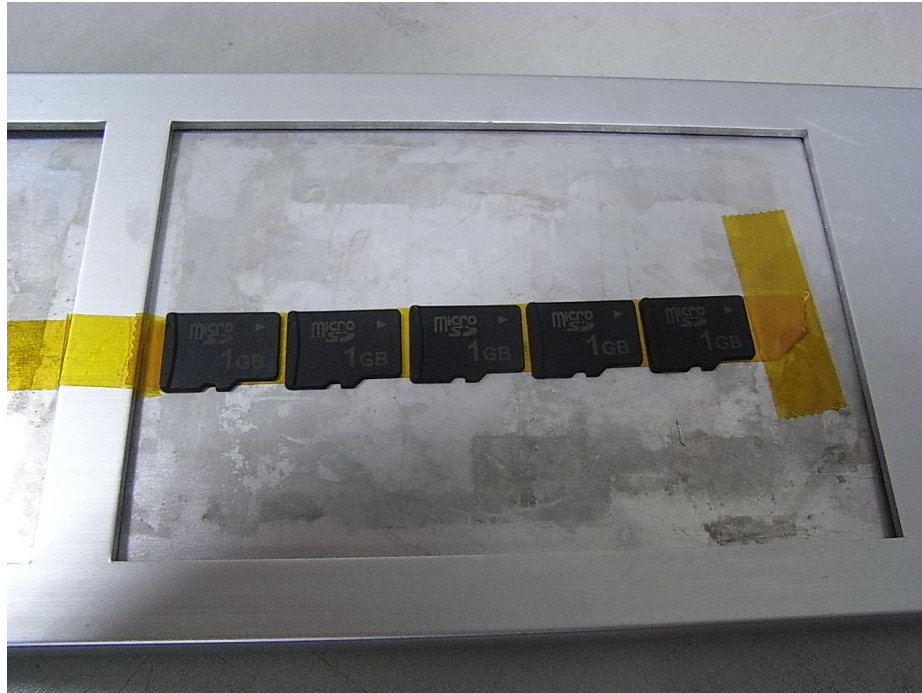
The function test will be performed by Aptos Technology, without the 3rd party lab (IST) person participation.

To follow customer's requirement, attached functional test result as below:

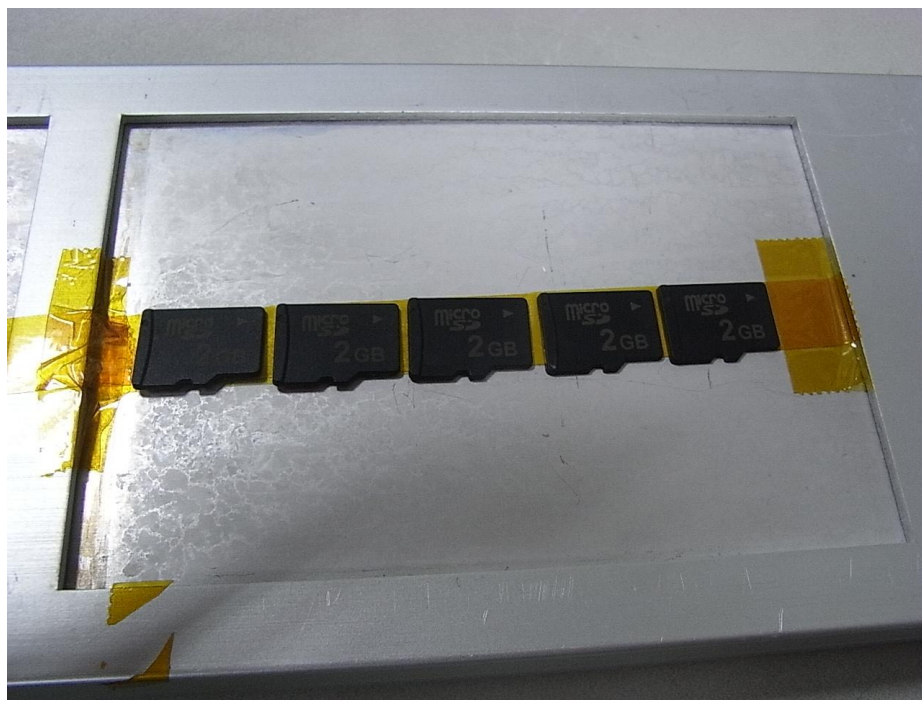
Inspection item	Functional test result
AP-MSD01GISI-xT, AP-MSD02GISI-xT	Pass

**Attachment 1 : Photo of units**

**AP-MSD01GISI-xT**



**AP-MSD02GISI-xT**

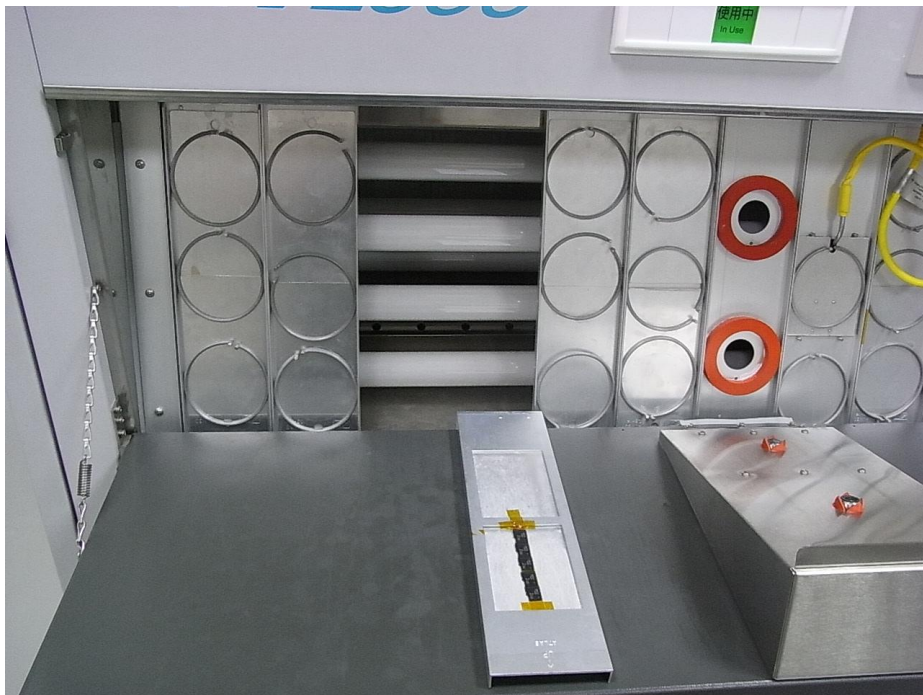


**Attachment 2 : Photo of ultraviolet radiation test setup**

**AP-MSD01GISI-xT**



**AP-MSD02GISI-xT**



### Attachment 3 : Graph of ultraviolet radiation test

