

CL1 SERIES PMT TEST REPORT

TESTING ITEM: **Package Drop Test (5 in 1)**

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Test Purpose : The purpose of the test is to verify that units under test can withstand the package drop under the transportation environment.

1.0 Test Place : QA Lab, QSMC SHANGHAI

2.0 Model No. : CL1 Olpc Notebook

3.0 Test Unit : 5 units (5in1)

4.0 Configuration:

1. CPU : "AMD" Geode ALXC700EETH2VD,433MHZ.
2. South Bridge : "AMD" CS5536AD.
3. Clock Generator : "SLG" SLG62102KTR
"IDT" ICS1491F-10LFT
"RSC" RTM265-100-VB-LFT
4. Embedded Controller : "ENE" KB3700.
5. BIOS Chip : "SFS" K9F4G08U0A-PCB0
"HYU" HY27UF084G2M-TPCB
6. Display Control : "Himax" HX8837-A010LAG.
7. SDRAM : "ISSI" IS42R16100C1-7TL
8. DDR SDRAM : "HYU" HY5DU561622ETP-J-C
"NYP" NT5DS16M16CS-5T
"PCS" A2S56D40CTP-G6L
"WND" W9425G6DH-6
9. FPGA CAFE : "ALTERA" EP2C50U484C7N
10. Flash Memory : "SAMSUNG" K9F4G08U0A-PCB0
11. AC97 Codec : "ANALOG DEVICES" AD1888JCPZ-REEL
12. Audio Amplifier : "ANALOG DEVICES" SSM2302CPZ-REEL
13. WLAN IEEE802.11b/g : "QMI" 9WUS101GNF00Q
14. Touch Pad : "ALPS" 56G6035C1
15. Main Battery : "GP" Ni-Mh,NTA2408(6.0V,2.9A)
"BYD" LifeP04, (6.5V,3.1A)
16. AC Adapter : "ADP" ADP-15PH,12V 1.25A
"PI" ADP5953,12V 1.417A
"LITEON" PA-1150-05,12V 1.25A.
17. LCD : "CLT" 7.5"(TFT) LS075AT011

5.0 Diagnostic Test Program: None**6.0 Test Equipment :**

- A. Drop System “Lansmont “ Model: PDT-56ED.

7.0 Test Procedure / Condition:

- A. The unit under test needs to execute visual inspection including mechanical review and function verification.
- B. The drop tester was set as following conditions.

Gross weight =====	Free fall height of drop =====
< 10 Lbs	42 inch (106.68 cm)
10 ~ 20 Lbs	36 inch (91.44 cm)
20 ~ 50 Lbs	30 inch (76.2 cm)
50 ~ 100 Lbs	24 inch (60.96 cm)
100 ~ 250 Lbs	18 inch (45.72 cm)
> 250 Lbs	12 inch (30.48 cm)

- C. Conduct 10 times drop from 30 inch height and the contact position is 1 corner, 3 adjacent edges of corner and 6 sides, and it drops on the steel surface.
- D. Check mechanical and run test program to verify system function after drop test.

8.0 Criteria:

- A. No LCD damage
- B. No scratch
- C. No dent
- D. No crack
- E. No units wobble
- F. No migration materials in the set's plinths (e.g. foot of EUT dropped off)
- G. No transfigure, deformity
- G. No slack (e.g. screw loose)
- I. No cracks to cushion
- J. No severe damage to carton box

9.0 Test Result:

- A. No functional test error or physical damage during and after test.
- B. The packing photo after test is as below:

After test(1#)



After test(2#)



S/N	System Weight	Drop High	Function	Mechanical	Mechanical	Packing	Result
1#	9.26 Kg	30 inch (76.2cm)	OK	OK	OK	OK	PASS
2#	9.26 Kg	30 inch (76.2cm)	OK	OK	OK	OK	PASS

9.0 Conclusion:
PASS