Drop Test Report

Issue by

Design Technology Department

Product Model	**WMRM2400 / WMRM2400-TR**
Product Description	**Display**
Test Reason	■New product ■Display ☐Renew product ☐PCB : ☐BIOS: ☐ Revision change ☐PCB : ☐BIOS: ☐Component:

2016/12/23	*David Chen*	*Peter Chou*
Issue date	Approved	Test Engineer

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1. Document Introduction

This document describes how we conduct the environment conditions and test procedure. It includes the test equipment we use, the test condition, and the test procedure we take. We also define our test criteria and the way to conclude the test result. (According to client's test specification, please see following sheets in detail.)

Table of Testing Summary Results

NO	Test Item	Condition Description	Sect. / Page	Reference to
1	**Drop Test**	8 corner ,12 edges 6 planes Total 26 Drops	3 / 4	**MIL-STD-810G** **Method 516.6** **Produce IV** **Table 516.6-VI**

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2. Product Configuration

1. M/B：R7DD-200
2. Panel：LG / LM240WU8-SLD1 / 1920x1200
3. Driver Board：DB04-110
4. DVI equalizer：DVIEQ-200
5. Light Sensor Board：TLS110-CON03
6. OSD Board：MIOSD-120
7. Open Frame：LTE120FS-S2 100W 12V

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3. Transit Drop Test

A. <u>Test Equipment:</u>

- Test Site: i-Tech LAB
- Drop Tester / King Design / KD-128A / S/N: BT109183596
- Steel Plate of 1cm thinness

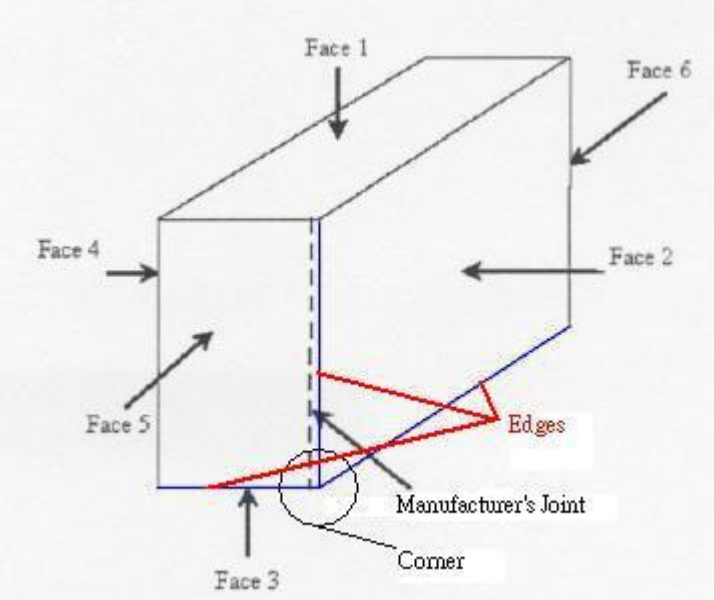
B. <u>Test Condition:</u>

- Reference to MIL-STD-810G Method 516.6 Testing Procedures
- Procedure IV / Table 516.5-VI_Transit drop test.
- Drop Height: 122 cm.
- Drop Sequences: 8 corners, 12 edges 6 planes
- Quantity: Total 5 Sets
- Testing Period: Dec. 21, 2016 to Dec. 21, 2016

C. <u>Check Condition and Requirements:</u>

1. Identification of Corner, Edges and Faces.

The procedure for Identification of the faces and corners of the containers shall be as follows. Facing one end of containers shall be as manufacturer's joint on the observer's left if the container is fiberboard, designates the top of the container as Face1. The front as Face 2, the bottom as Face 3, the back as Face 4, the left side as Face 5, and the right side as Face 6.



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2. The package product is to be dropped 8 corners, 12 edges and 6 faces, from the appropriate height designate in the table of test condition.

Drop #	Drop Item	Type of Drop
1.	1-2-5 Corner of Package	**Corner**
2.	1-2-6 Corner of Package	**Corner**
3.	1-4-6 Corner of Package	**Corner**
4.	1-4-5 Corner of Package	**Corner**
5.	2-3-5 Corner of Package	**Corner**
6.	2-3-6 Corner of Package	**Corner**
7.	3-4-6 Corner of Package	**Corner**
8.	3-4-5 Corner of Package	**Corner**
9.	2-5 Edges of Package	**Edge**
10.	4-6 Edges of Package	**Edge**
11.	4-5 Edges of Package	**Edge**
12.	2-6 Edges of Package	**Edge**
13.	1-4 Edges of Package	**Edge**
14.	3-4 Edges of Package	**Edge**
15.	1-6 Edges of Package	**Edge**
16.	1-5 Edges of Package	**Edge**
17.	3-6 Edges of Package	**Edge**
18	3-5 Edges of Package	**Edge**
19.	2-3 Edges of Package	**Edge**
20.	1-2 Edges of Package	**Edge**
21.	Face 1 of the Package	**Face**
22.	Face 3 of the Package	**Face**
23.	Face 2 of the Package	**Face**
24.	Face 4 of the Package	**Face**
25.	Face 5 of the Package	**Face**
26.	Face 6 of the Package	**Face**

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D. Test Result:

Examine the appearance of both the products and packing construction by visual 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.

— No visible damage to the product.

— No displacement of components, cables, or hardware.

— The test unit operates normally after the completion of the drop test.

E. Test Judgment:

— Test Result

Check Item / Style Item No.	Appearance check (Visual check)		Functional & Performance check
	Initial	Final	
WMRM2400 WMRM2400-TR	No visible damage	No visible damage	Normal