

CASE OCLOCK Inc.

Report

Drop test

November 16, 2017

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System evaluation Division
Mounting Technology Group

Approval	Confirmation	Collaboration	Drawing up
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1. Purpose

About the smartphone case, perform a natural drop test on a smartphone (with a moat attached and confirm the impact resistance)

2. Sample

Smartphone Case (Smartphone attached state): 1 piece

3. Test contents

3.1 Free drop test

conditions

Reference standard: MIL-STD-810G, Method 516.6 Reference

Fall height: 122 cm

Number of drops: 1 time in each direction

Falling direction: 6 planes 8 octagons 12 edges

(total of 26 directions)

Falling surface: Concrete



image 1
Appearance of testing machine

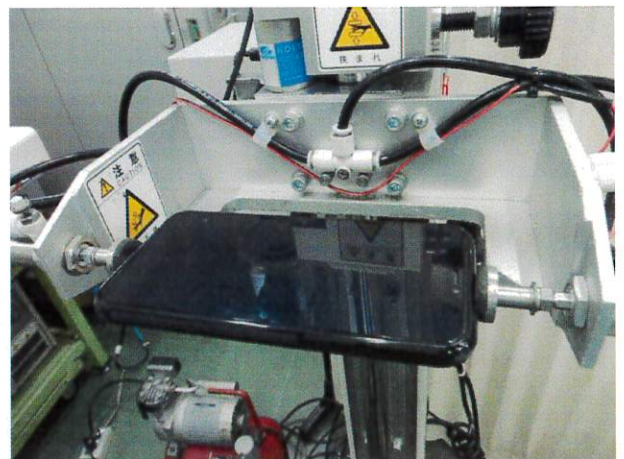


image 2.
Installation situation at the time of falling
(Representative: direction toward the back of the display)

Photo. 1 Drop test situation

4. Equipment used

Table 1 shows the equipment used.

Table 1. Equipment Used

Used equipment	Model	Manufacturer	Control number	Expiration date
Natural drop testing machine	DT-202	Yoshida Seiki	K-147-07	Self-management

5. Test period

November 13, 2017 (Heisei 29)

6. Test results

Using a tester, we made a total of 26 on concrete in the direction of 6 edges of 8 corners 12 edges, but a slight abrasion was confirmed on the smartphone case, but confirmed damage that would hinder the use, it was not done.