

KING DESIGN INDUSTRIAL CO., LTD.

RELIABILITY TEST LABORATORY

5F, NO. 3, Lane 270, Pei Shen Road Sec. 3,

<http://www.kdi.tw>

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

<http://www.vibration.com.tw>

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

E-mail: service@kdi.tw

TESTING / INSPECTION REPORT

REPORT NO : DT-120705-1

COMPANY : AAEON Technology Inc.

ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.

Hsin-Tien City, Taipei, Taiwan, R. O. C.

TEL : 886-2-8919-1234

FAX : 886-2-8919-1049

SPECIMEN : AFP-6123

DATE OF RECEIVED : 2012/07/03

DATE OF TESTED : 2012/07/03

TEST / INSPECTION ITEMS : Drop Test

REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 17 pages, and no part of it may be abstracted or reproduced.

Test Engineer :

Approval Signatory :

2012.7.9 David Lee

Laboratory Head :

Hein Zai Chang



TESTING / INSPECTION REPORTTESTING EQUIPMENT :

1. Drop Testing System : KING DESIGN KD-128A, S/N : 02370206-22
2. Controller : Lansmont TP-3, S/N:0506-046
3. Measuring Accelerometer : DYTRAN3053B, S/N:1242

TEST ENVIRONMENT :

- Temperature : 24.2°C (25±10°C)
Relative Humidity : 62%RH (50±25% RH)

SPECIMEN :

- Model : AFP-6123
Quantity : 1 carton

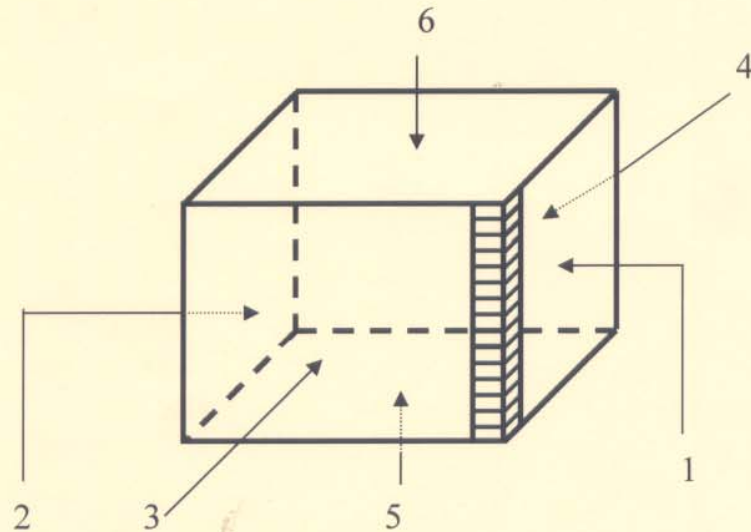
TEST SPECIFICATION :

- Weight : 8.14 kg
Drop Height : 91 cm
Drop Onto : 1 corner, 3 edges & 6 faces

TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

TESTING / INSPECTION REPORT



1	The 1-3-5 Corner	Corner
2	The shortest edge radiating from that corner	Edge
3	The next longest edge radiating from that corner	Edge
4	The longest edge radiating from that corner	Edge
5	Flat on one of the smallest faces	Flat
6	Flat on one of the opposite small faces	Flat
7	Flat on one of the medium faces	Flat
8	Flat on one of the opposite medium faces	Flat
9	Flat on one of the largest faces	Flat
10	Flat on one of the opposite largest faces	Flat

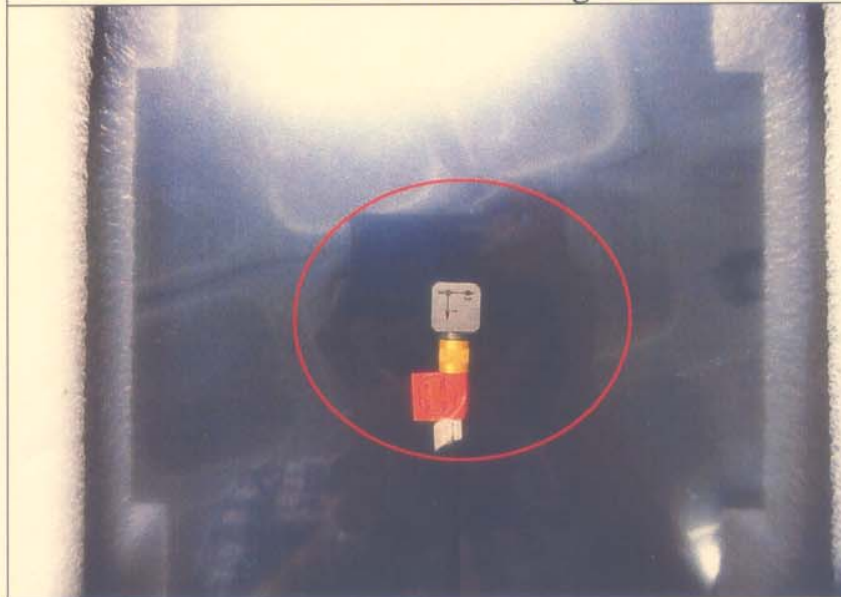
TESTING / INSPECTION REPORT

Testing photos

Before Test-1



Sensor measuring



TESTING / INSPECTION REPORT

Testing photos

Corner



Edge-1



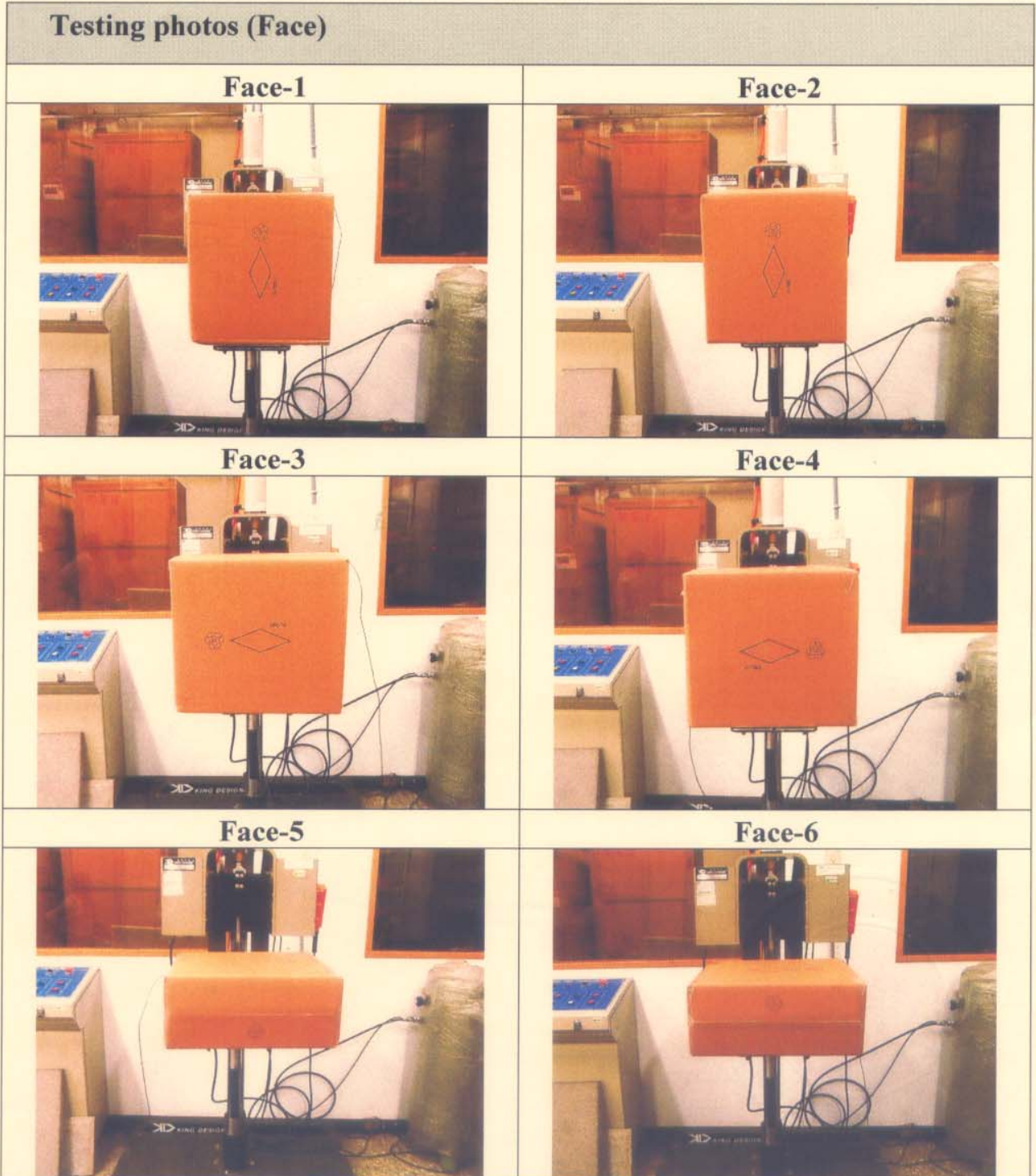
Edge-2



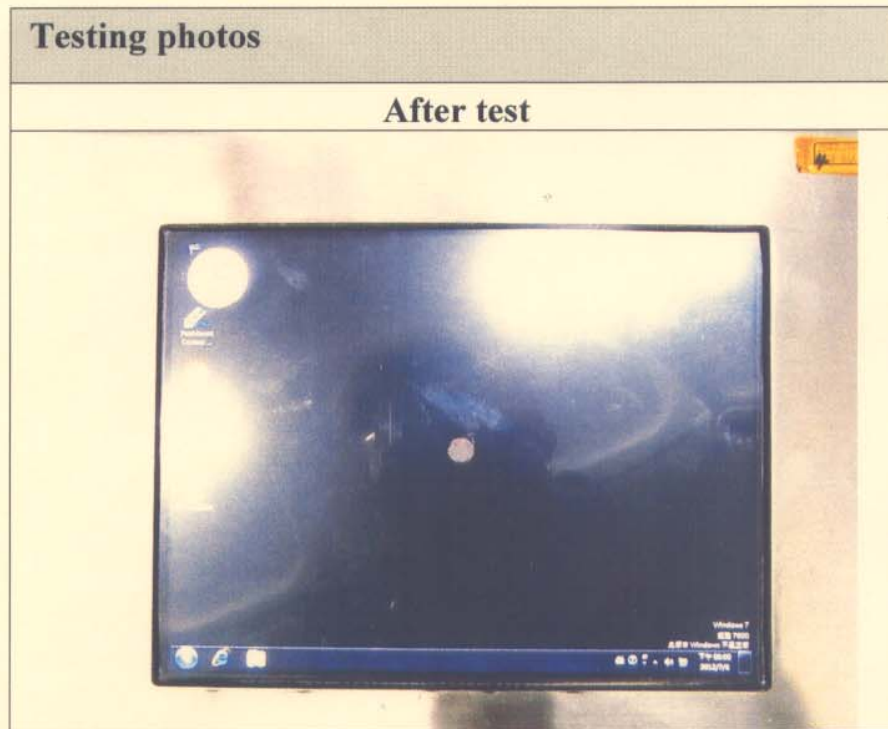
Edge-3



TESTING / INSPECTION REPORT

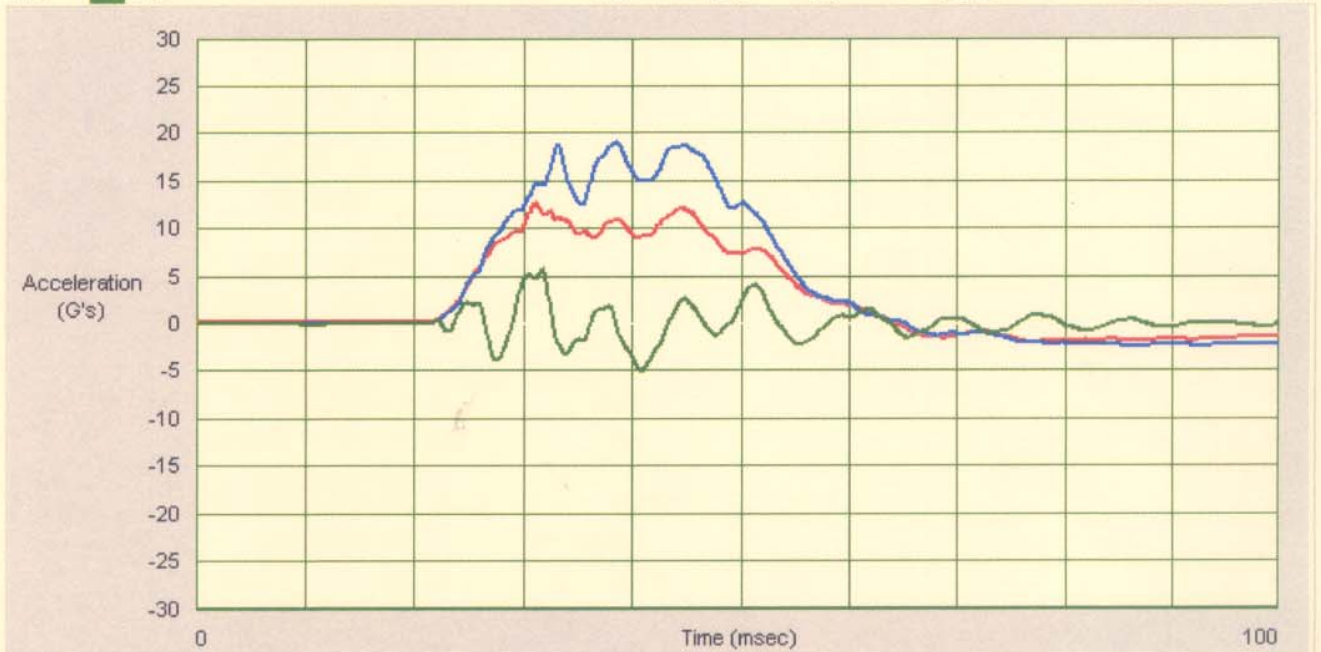


TESTING / INSPECTION REPORT



Corner
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	12.66	38.50	2.95	220.00	12.66	-2.03
Ch2	ch2	19.04	36.50	4.26	220.00	19.04	-2.45
Ch3	CH3	5.65	3.60	0.14	220.00	5.65	-5.04



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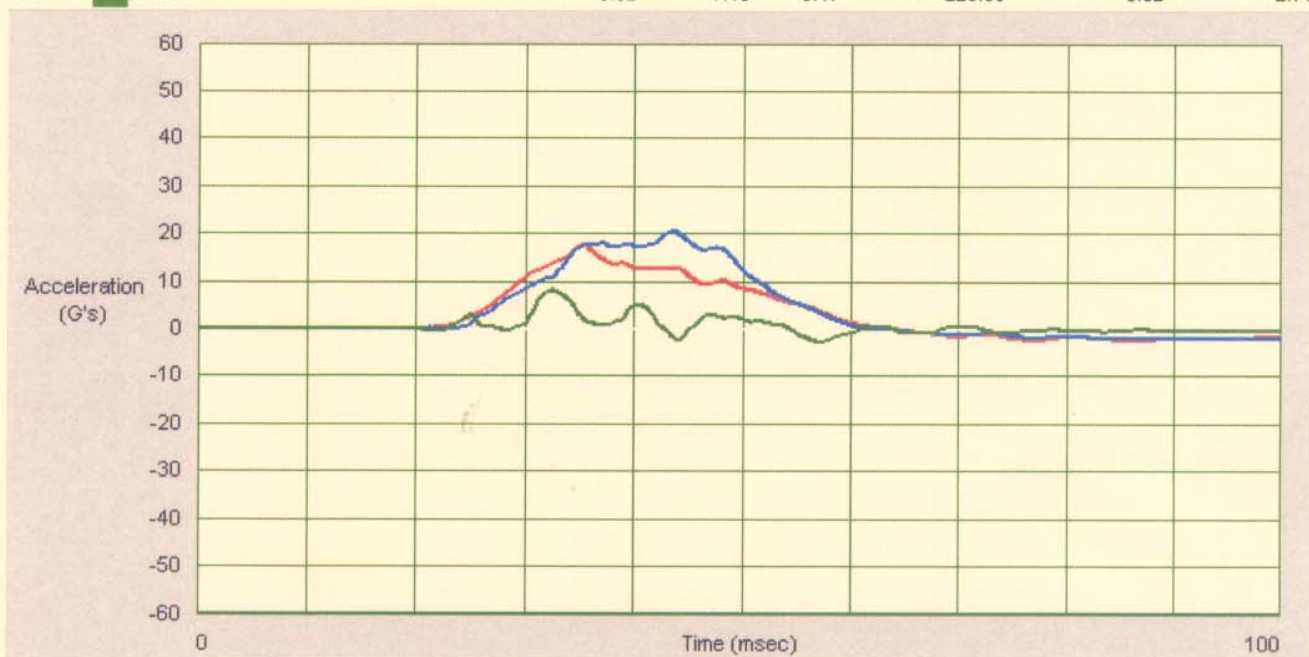
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Edge-1
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	17.84	35.10	3.38	220.00	17.84	-2.41
Ch2	ch2	20.59	33.10	3.98	220.00	20.59	-2.20
Ch3	CH3	8.02	7.10	0.47	220.00	8.02	-2.71


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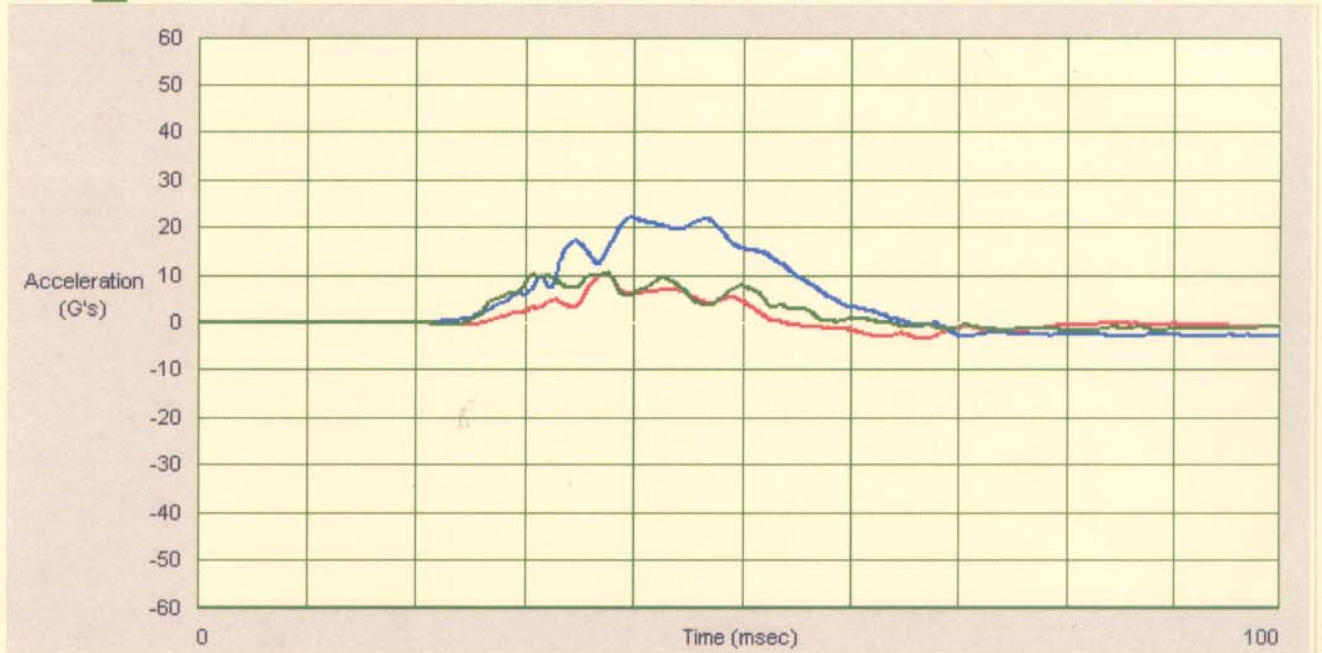
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Edge-2
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	10.23	25.00	1.26	220.00	10.23	-3.47
Ch2	ch2	22.07	36.20	4.60	220.00	22.07	-2.91
Ch3	CH3	10.64	31.70	2.01	220.00	10.64	-1.81



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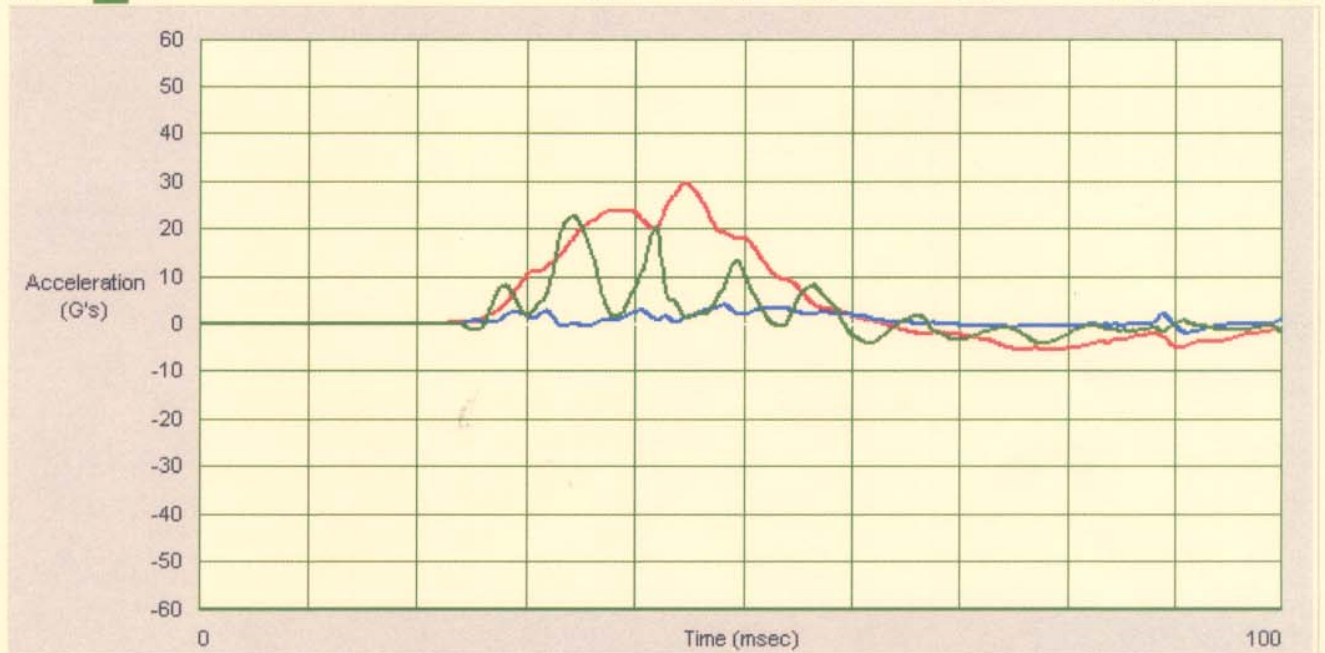
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Edge-3
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	29.64	31.20	5.10	220.00	29.64	-5.21
Ch2	ch2	4.06	21.00	0.55	220.00	4.06	-1.93
Ch3	CH3	22.61	7.40	2.11	220.00	22.61	-4.13



金頓科

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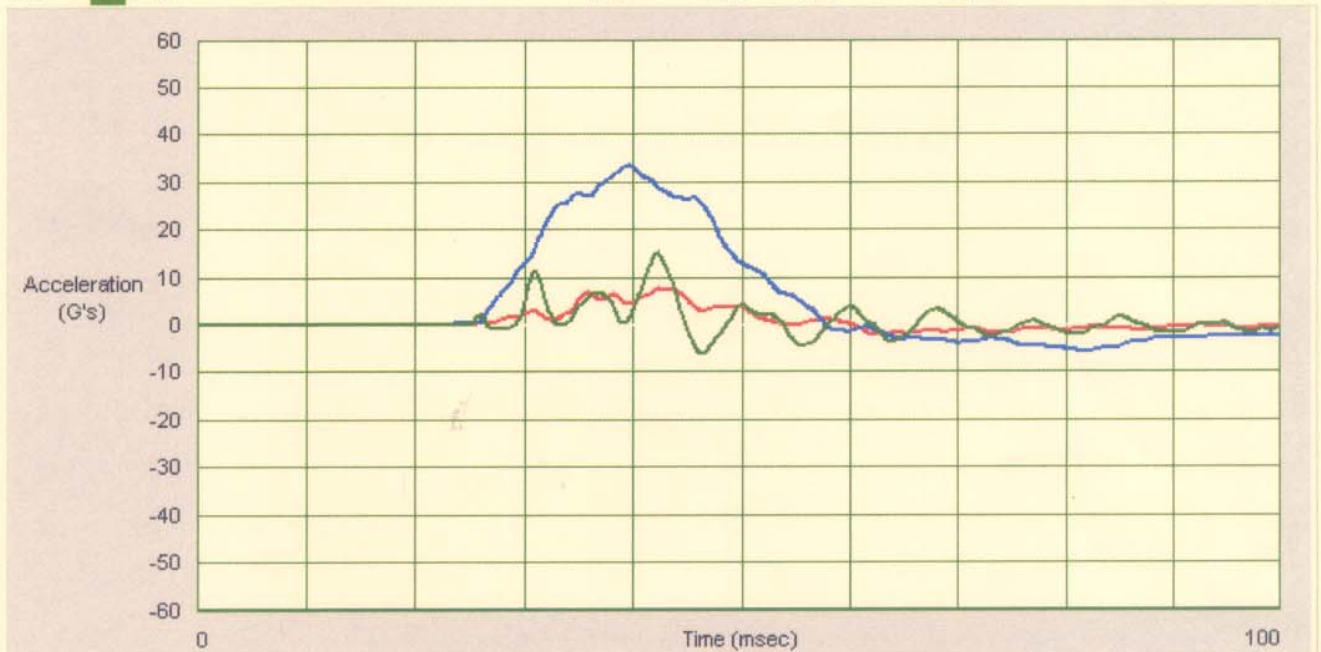
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Face-1
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	7.72	25.50	1.01	220.00	7.72	-2.16
Ch2	ch2	33.51	29.70	5.78	220.00	33.51	-5.68
Ch3	CH3	15.10	5.10	0.45	220.00	15.10	-6.10



實驗室

KING DESIGN INDUSTRIAL CO., LTD.

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Face-2
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	6.30	24.00	0.63	220.00	6.30	-0.79
Ch2	ch2	25.74	32.10	5.16	220.00	25.74	-4.70
Ch3	CH3	11.78	18.90	1.16	220.00	11.78	-1.28



奇縫章

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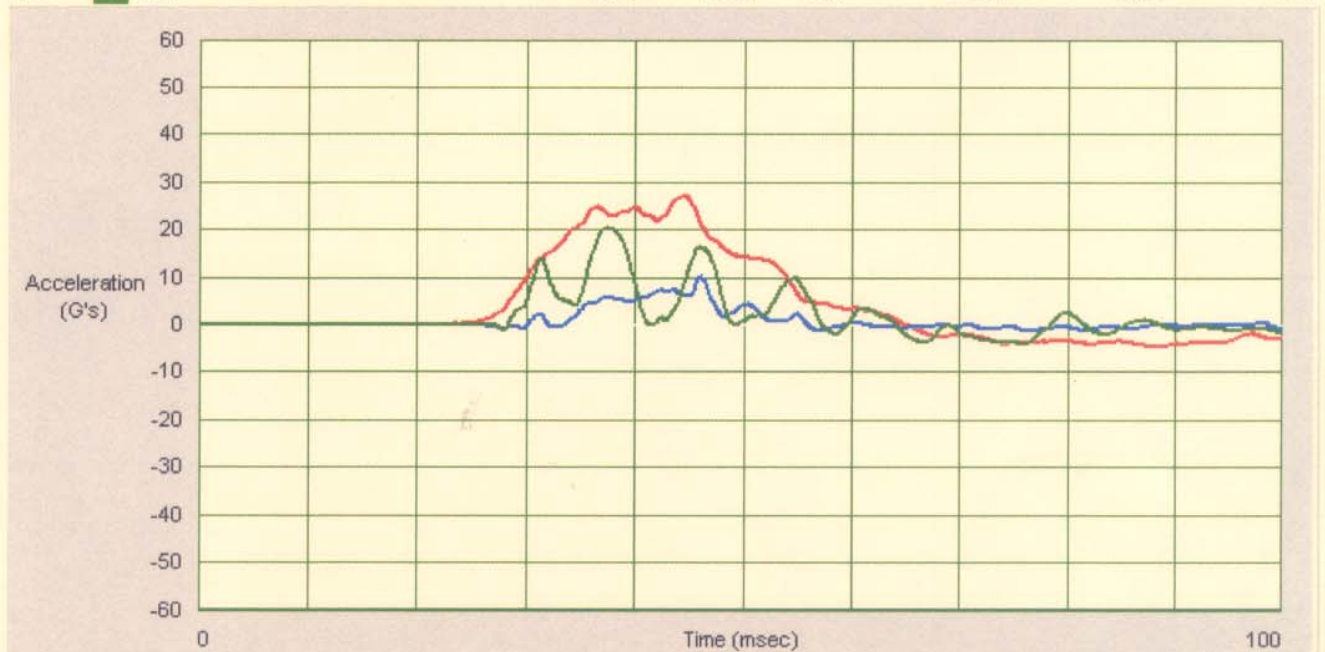
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Face-3
Acceleration vs Time

Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1  ch1	27.18	34.80	5.15	220.00	27.18	-4.50
Ch2  ch2	10.09	18.50	0.95	220.00	10.09	-1.41
Ch3  CH3	20.32	12.20	1.25	220.00	20.32	-4.05



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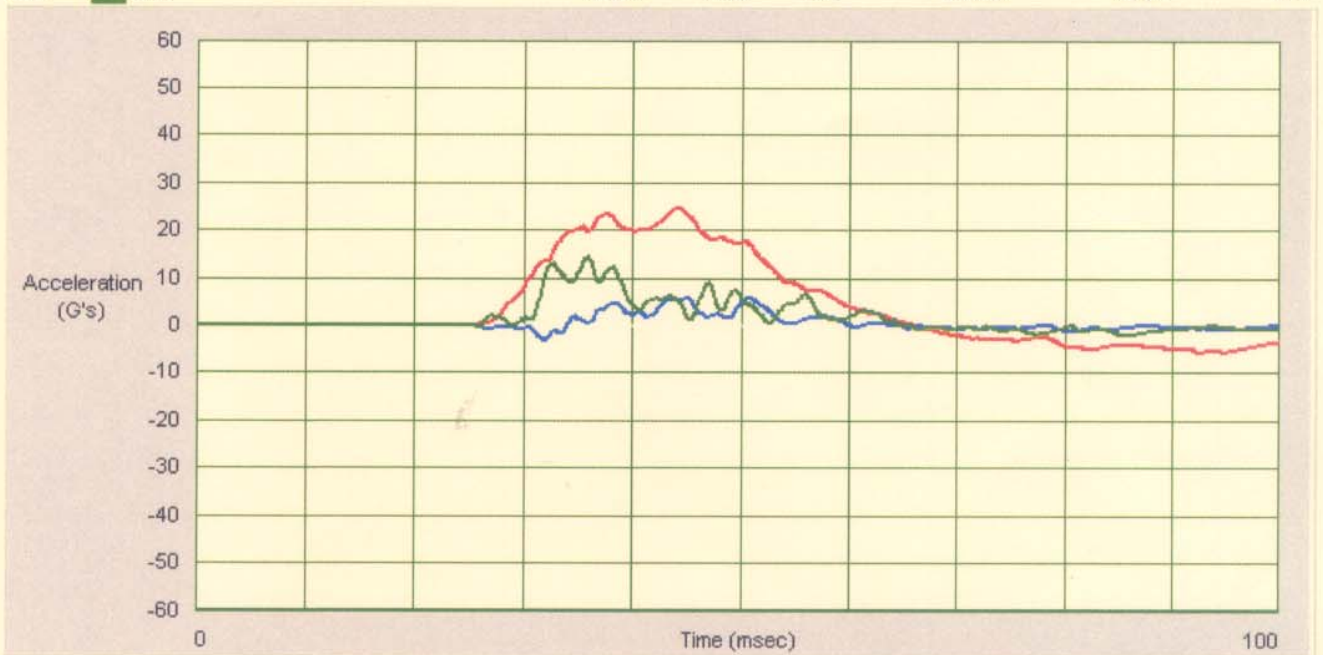
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Face-4
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	24.69	34.70	5.01	220.00	24.69	-5.72
Ch2	ch2	5.98	19.90	0.70	220.00	5.98	-3.11
Ch3	CH3	14.54	14.40	1.83	220.00	14.54	-2.07



科技

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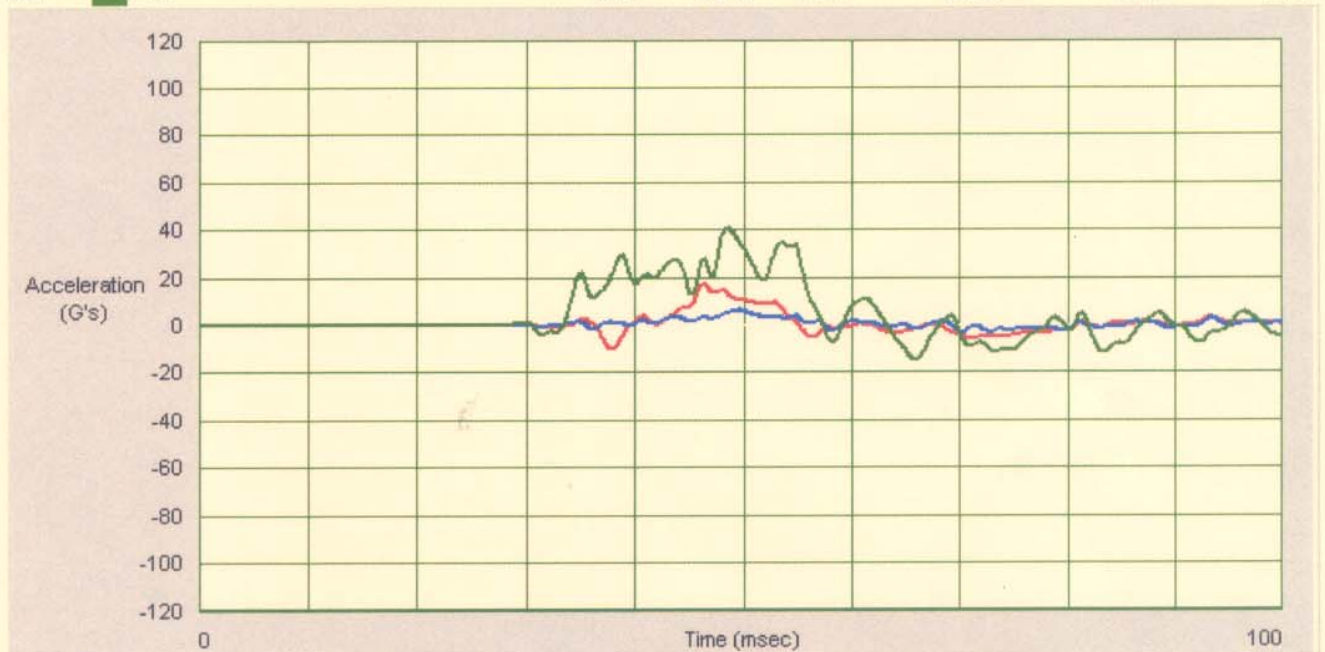
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Face-5
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	17.52	12.30	1.16	220.00	17.52	-9.60
Ch2	ch2	6.23	14.00	0.51	220.00	6.23	-3.00
Ch3	CH3	40.70	23.40	5.33	220.00	40.70	-14.57



驗室

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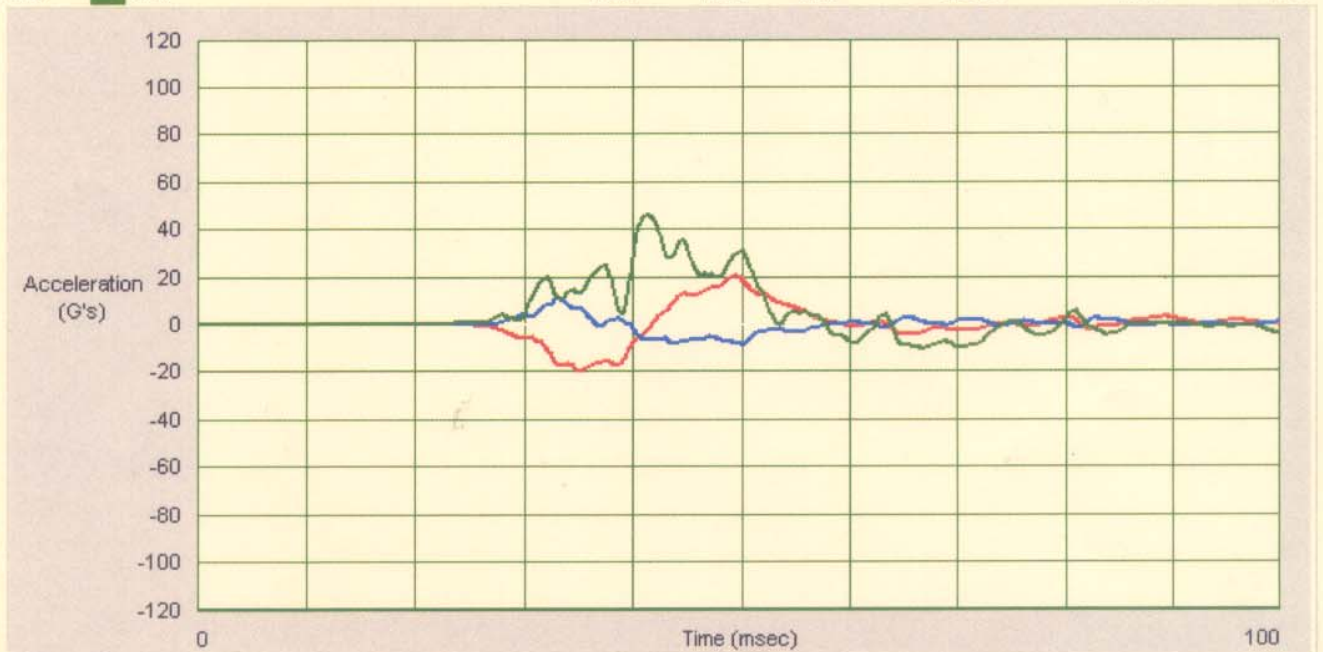
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 E-mail: service@kdi.tw
Face-6
Acceleration vs Time

	Channel Description:	G's	msec	m/s	Filter Hz	Max G's	Min G's
Ch1	ch1	20.35	15.30	1.71	220.00	20.35	-19.91
Ch2	ch2	10.82	8.60	0.47	220.00	10.82	-8.93
Ch3	CH3	46.02	13.70	5.09	220.00	46.02	-10.38


-END-



Certificate No. : L0424-110728

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

King Design Industrial Co., Ltd.

Vibration Laboratory

4F., No.3, Ln. 270, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City 22206, Taiwan
(R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2005
Accreditation Number : 0424
Originally Accredited : May 01, 1998
Effective Period : July 28, 2011 to July 27, 2014
Accredited Scope : Testing Field, see described in the Appendix

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : July 28, 2011

P1. total 4 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



Certificate No. : L0424-110728

財團法人全國認證基金會
Taiwan Accreditation Foundation

Accreditation Number : 0424

Laboratory Head : CHANG, Hsin Tai

16.99 Machine and Equipment

Vibration Tester

A002 Vibration

CNS 3629

CNS 5424

Frequency:5 Hz to 3000 Hz

Acceleration:(0 to 100) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

16.99 Machine and Equipment

Shock Test Equipment

A002 Vibration

IEST-RP-DTE 012.1

Shock Acceleration

Max. G:250 Gpk

Time Duration:0.1 ms to 50 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

19.01 Electronic and Electric

Electrical Machine & Equipment

Electronic Device

A002 Vibration

CNS 5424

CNS 3629

IEC 60068-2-35 : 1973

Frequency:5 Hz to 2000 Hz

Acceleration:(0 to 50) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

P2, total 4 pages

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財團法人全國認證基金會
Taiwan Accreditation Foundation

19.01 Electronic and Electric
Electrical Machine & Equipment
Electronic Device
A002 Vibration
IEC 60068-2-27
Acceleration:5 Gpk to 200 Gpk
Time Duration:2 ms to 16 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-1
Temperature Range: ≥ -25 °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-2
Temperature Range: ≤ 100 °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-30
Temperature Range:-40 °C to 120 °C
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min

Approval Signatory: LEE, David;CHANG, Hsin Tai

E003 Environmental Reliability
IEC 60068-2-38
Temperature Range:-40 °C to 120 °C

P3, total 4 pages



Certificate No. : L0424-110728

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Humidity Range:15 %RH to 95 %RH
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min

Approval Signatory: LEE, David;CHANG, Hsin Tai

E003 Environmental Reliability
MIL-STD-810F Method 501.4 · 502.4 · 503.4 · 514.5(Procedure I · III · IV) ·
516.5(Procedure I · II · III · IV · V · VI · VII)
Temperature Range:-40 °C to 120 °C
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min
Frequency:3 Hz to 2000 Hz
Displacement:(0 to 4) mm (peak to peak)
Acceleration:(0 to 10) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

(Null below)