

TEST REPORT

1. No : CT13-80138

2. Client

○ Name : Samsung Techwin Co.,LTD

○ Address : 701, Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do,
Korea

○ Date of Receipt : Aug. 07, 2013

○ Date of Issued : Aug. 09, 2013

3. Use of Report : Submission

4. Test Sample : Network Camera (Model : SNF-7010V* (N:NTSC/ P:PAL))

5. Method :

(1) EN 61373 : 1999

Refer to the attached sheets

Affirmation	Tested By	Technical Manager
	Name : Dong Kun Lee <i>D.K. Lee</i>	Name : Nam Koong, Youn <i>Udol</i>
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.		

Korea Conformity Laboratories

President Song Jae Bin

Jae Bin Song

Address : 153-803 459-28, Gasan-Dong, Geumcheon-Gu, Seoul, Korea 82-2-2102-2500

Result Inquiry : Packaging & Logistics Team 82-2-2102-2775

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[TEST RESULTS]

1. Vibration Test – Longlife Test

Test Conditions						Test Results
Direction (Axis)	Frequency Range (Hz)	PSD Level ($(\text{m/s}^2)^2/\text{Hz}$)	Slope (dB/octave)	Acceleration (RMS Value m/s^2)	Test Time (h)	
Vertical	5	1.034	–	5.90	5.0	No Defects & Working Normally.
	20	1.034	–			
	150	–	–6			
Transverse	5	0.250	–	2.90	5.0	No Defects & Working Normally.
	20	0.250	–			
	150	–	–6			
Longitudinal	5	0.452	–	3.90	5.0	No Defects & Working Normally.
	20	0.452	–			
	150	–	–6			

2. Shock Test

Test Conditions						Test Results
Direction (Axis)		Acceleration (m/s^2)	Duration Time (ms)	Wave Form	Repetitive Times	
Vertical	+	30	30	Half Sine	3	No Defects & Working Normally.
	–				3	No Defects & Working Normally.
Transverse	+	30	30	Half Sine	3	No Defects & Working Normally.
	–				3	No Defects & Working Normally.
Longitudinal	+	50	30	Half Sine	3	No Defects & Working Normally.
	–				3	No Defects & Working Normally.

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3. Vibration Test - Functional Test

Test Conditions						Test Results
Direction (Axis)	Frequency Range (Hz)	PSD Level ($(\text{m/s}^2)^2/\text{Hz}$)	Slope (dB/octave)	Acceleration (RMS Value m/s^2)	Test Time (h)	
Vertical	5	0.0164	–	0.75	0.5	No Defects & Working Normally.
	20	0.0164	–			
	150	–	–6			
Transverse	5	0.0041	–	0.37	0.5	No Defects & Working Normally.
	20	0.0041	–			
	150	–	–6			
Longitudinal	5	0.0073	–	0.50	0.5	No Defects & Working Normally.
	20	0.0073	–			
	150	–	–6			

► Test Method : EN 61373 : 1999

After the sample was made to be fastened tightly on the table of the vibration tester and to be taken tests against 3-Axis according to the above test conditions, to check whether major defects – like scratch, breakage, operation & function of the sample – are found with a visual and functional check.

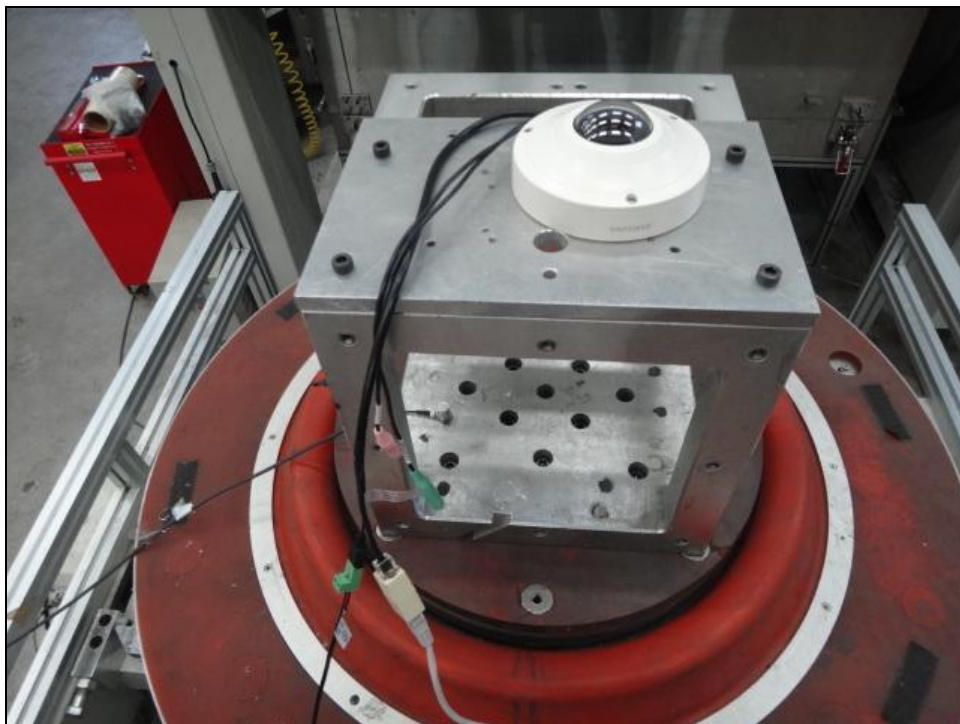
cf. Vibrator :

- Manufacturer : IMV CO. (Japan)
- Model : J255/SA7M

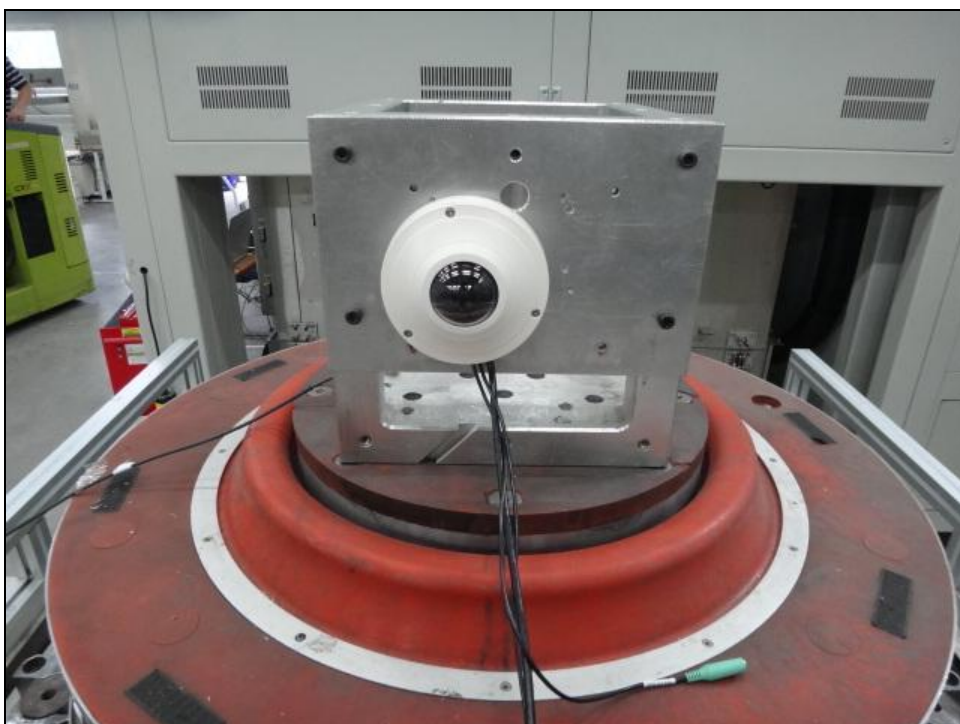
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4. Test Scene :



[Vertical]



[Transverse]

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[Longitudinal]

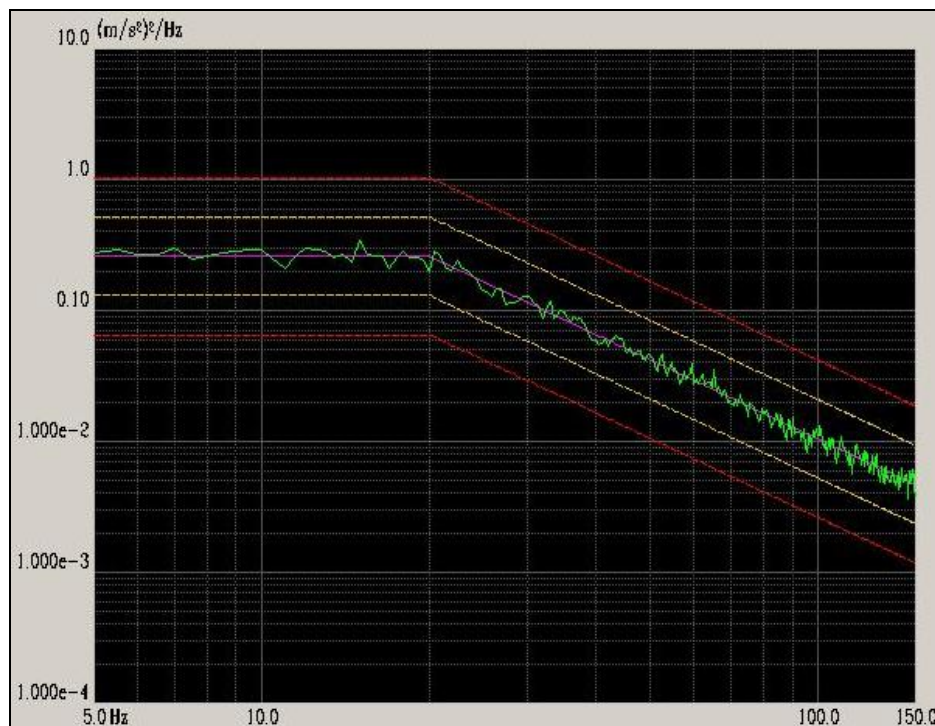
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5. Test Graphs



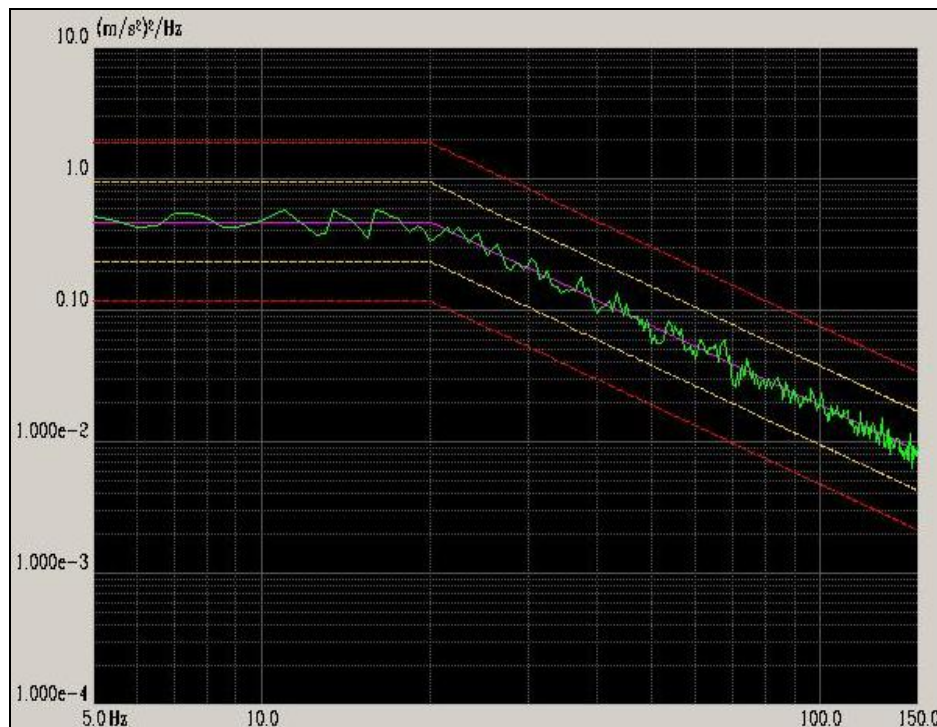
[Graph 1. Longlife Test - Vertical]



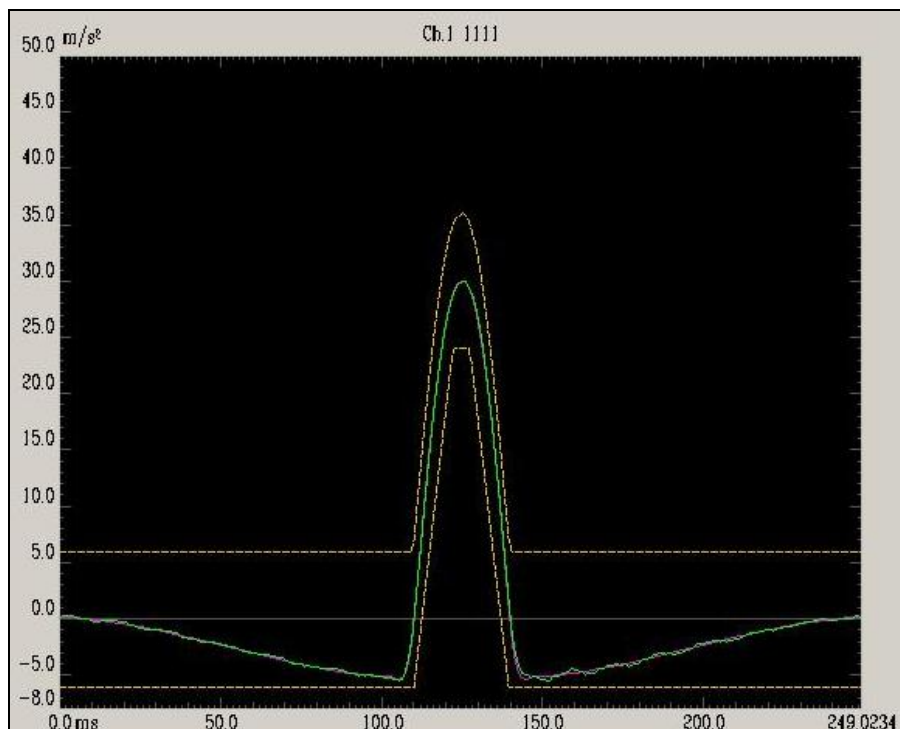
[Graph 2. Longlife Test - Transverse]

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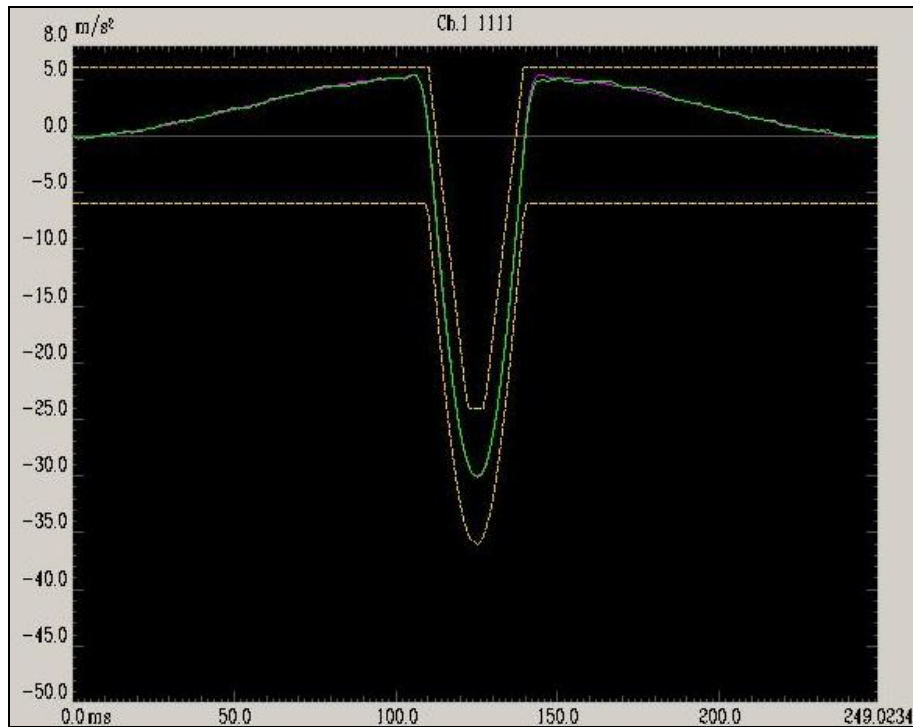
[Graph 3. Longlife Test -Longitudinal]



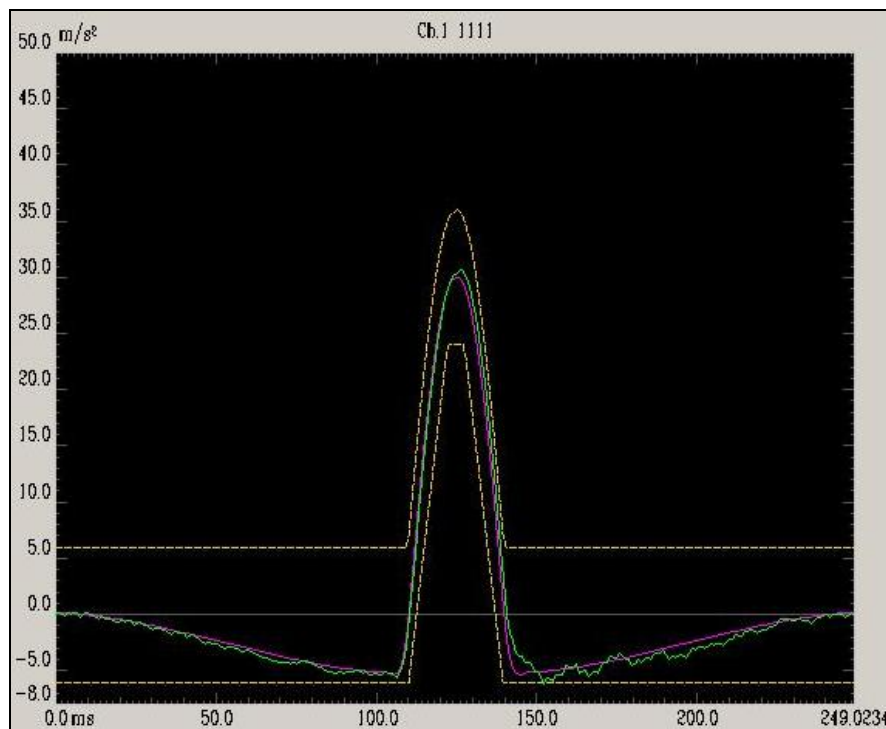
[Graph 4. Shock Test - Vertical(+)]

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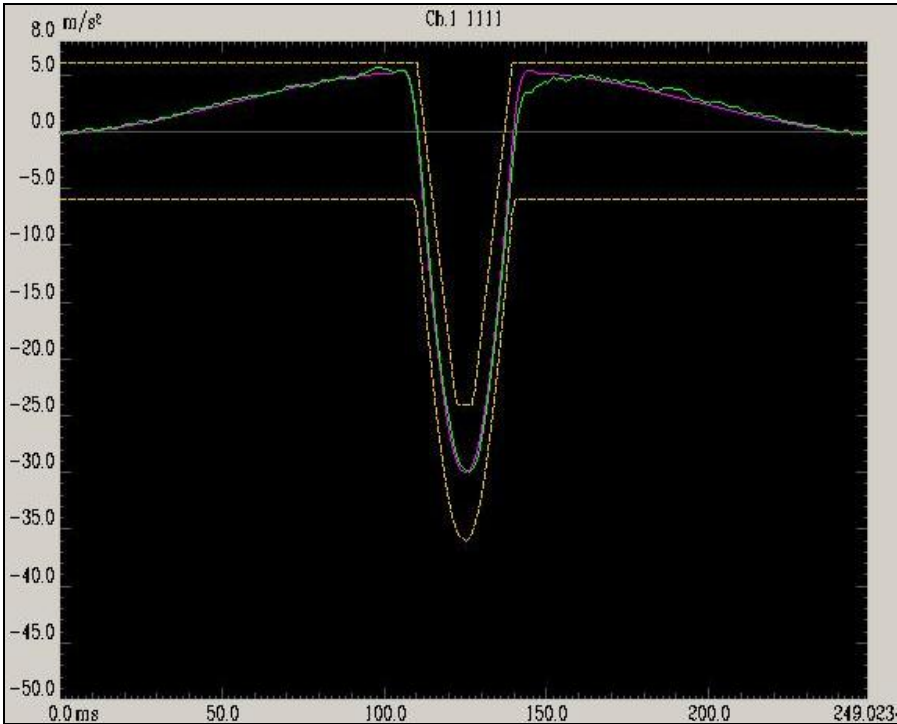
[Graph 5. Shock Test - Vertical(-)]



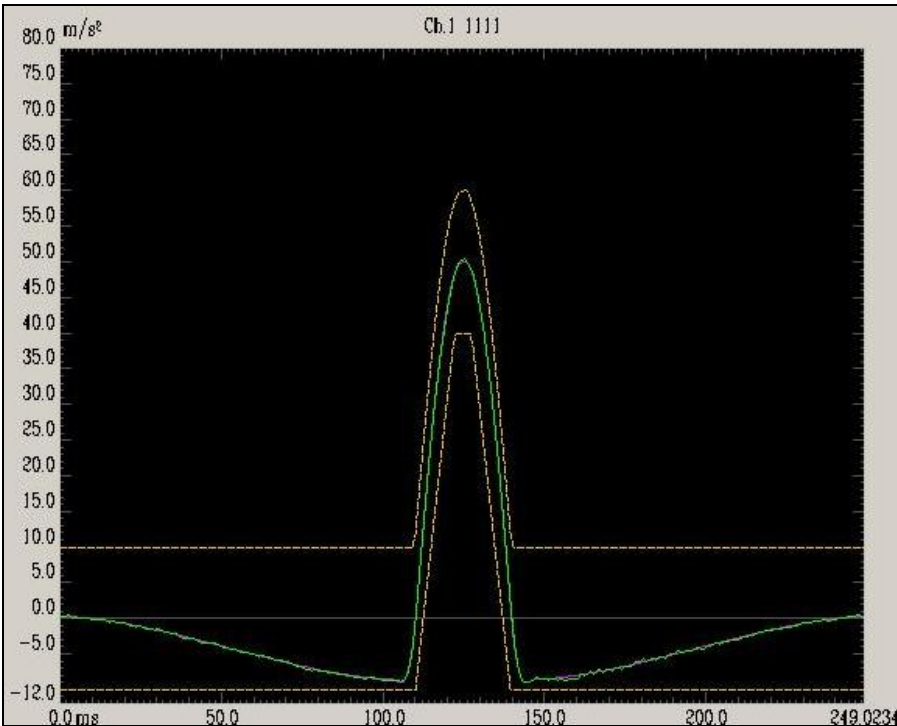
[Graph 6. Shock Test - Transverse(+)]

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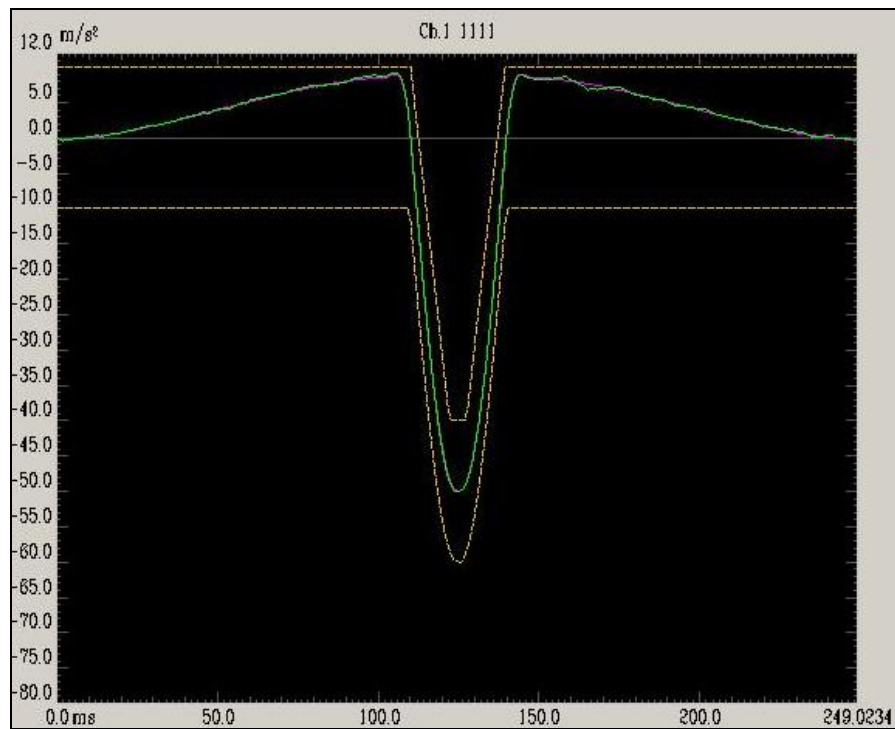
[Graph 7. Shock Test - Transverse(-)]



[Graph 8. Shock Test - Longitudinal(+)]

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[Graph 9. Shock Test - Longitudinal(-)]



[Graph 10. Functional Test - Vertical]

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[Graph 11. Functional Test - Transverse]



[Graph 12. Functional Test - Longitudinal]

----- End of Report -----