

TEST REPORT

Report No. : SGS-R11-0621

Applicant : SAMSUNG TECHWIN Co., Ltd.

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

Product : Network Camera

Model : SNV-5010P

Environment : Temp. (28 ± 5) °C, Humidity (46 ± 4) % R.H.

Test Date : August 03, 2011 ~ August 11, 2011

Standard : EN 50155: 2007

Test Result : Refer to the attached document

Use of report : Validation

This is certified that the above mentioned products have been tested for the sample provided by client.

Confirmation	Written by	Approved by
	Name : Shim, Min-seob	Name : Choi, Woon-ki

- ※ The test results is based on the test conducted on the test sample, which was requested by the client.
- ※ No part of this document may be duplicated or reproduced by any means without the express written permission.

August 16, 2011

SGS KOREA Co., Ltd.

Summary of Test Results

Network Camera / SNV-5010P	
TEST ITEM	TEST RESULT
Low temperature storage test	No abnormal was found
Cooling test	No abnormal was found
Dry heat test	No abnormal was found
Damp heat Test, cyclic	No abnormal was found
Resonance Test	No abnormal was found.
Random vibration test	No abnormal was found.
Simulated long life test	No abnormal was found.
Shock test	No abnormal was found.

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1. Overview

As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

2. Product

2.1 Description

Applicant : SAMSUNG TECHWIN Co., Ltd.
Manufacturer : SAMSUNG TECHWIN Co., Ltd.
Product : Network Camera
Model : SNV-5010P
S/N : N/A

2.2 Photograph

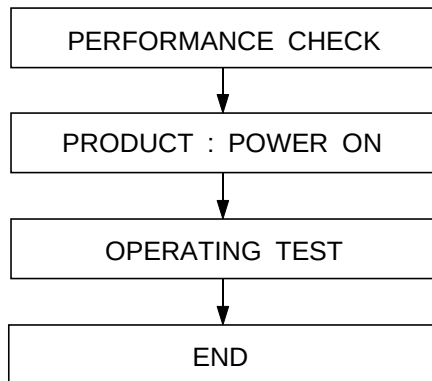


3. Test process

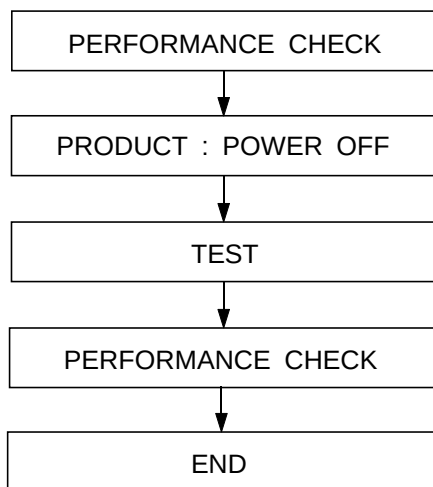
Refer to each test report.

(Using one process among next three kinds of process)

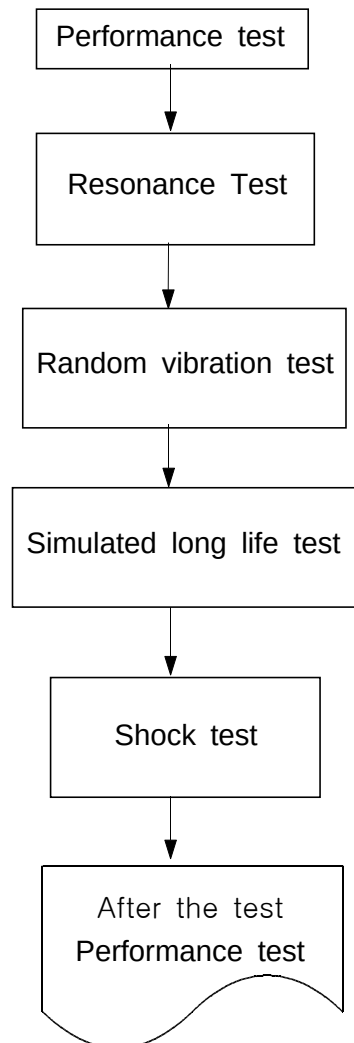
3.1 Operating Test



3.2 Non-operating Test



3.3 Vibration, Shock and bump test



4. Test condition & Test result

Refer to each test report (Next page)

4.1 Low temperature storage test

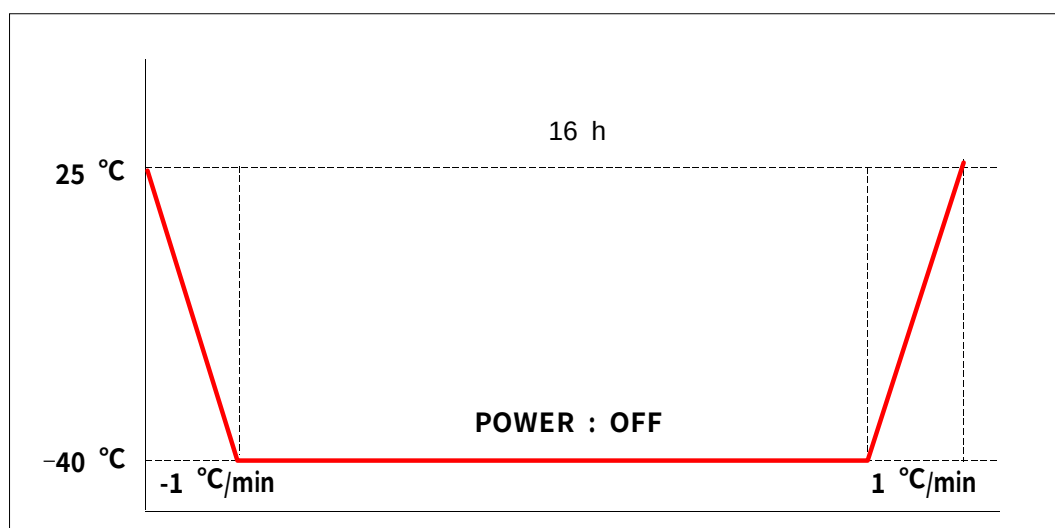
Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Koo, Hyung-kun (+82-31-240-6615)
Model	SNV-5010P	Date	August 3, 2011 ~ August 4, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.14)	Page	2

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

- a) Test temperature: -40 °C
- b) Test time: 16 h
- c) Check point: After the test
- d) Status of Product: Unpackaged product
- e) No. of sample: 1 EA
- f) Rated Voltage : DC 12 V

(2) Test profile



TEST PROGRAM

(3) Test photograph



(4) Test Result

Check Item	Result
1. Check for electrical performance. -. Communications network -. Video check	No abnormal was found
2. Visual inspection.	No abnormal was found

(5) List of used equipment

Equipment name	Model	Manufacturer	Calibration Date
Chamber	VC 7018	Votsch/Germany	August 16, 2010
DC Power Supply	HYP-505D	Han Young/Korea	March 21, 2011

※ The above test result is based on the test conducted on the test sample, which was requested by the client.

4.2 Cooling test

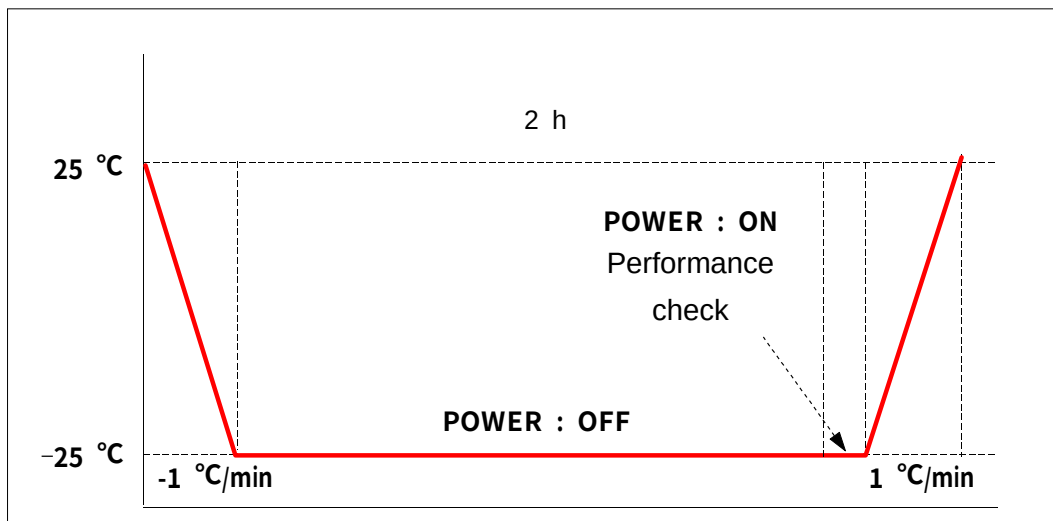
Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Koo, Hyung-kun (+82-31-240-6615)
Model	SNV-5010P	Date	August 4, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.3 Class T3 # Column 1)	Page	2

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

- Test temperature: -25 °C
- Test time: 2 h
- Check point: During the test
- Status of Product: Unpackaged product
- No. of sample: 1 EA
- Rated Voltage: DC 12 V

(2) Test profile



TEST PROGRAM

(3) Test photograph



(4) Test Result

Check Item	Result
1. Check for electrical performance. -. Communications network -. Video check	No abnormal was found
2. Visual inspection.	No abnormal was found

(5) List of used equipment

Equipment name	Model	Manufacturer	Calibration Date
Chamber	VC 7018	Votsch/Germany	August 16, 2010
DC Power Supply	HYP-505D	Han Young/Korea	March 21, 2011

※ The above test result is based on the test conducted on the test sample, which was requested by the client.

4.3 Dry heat test

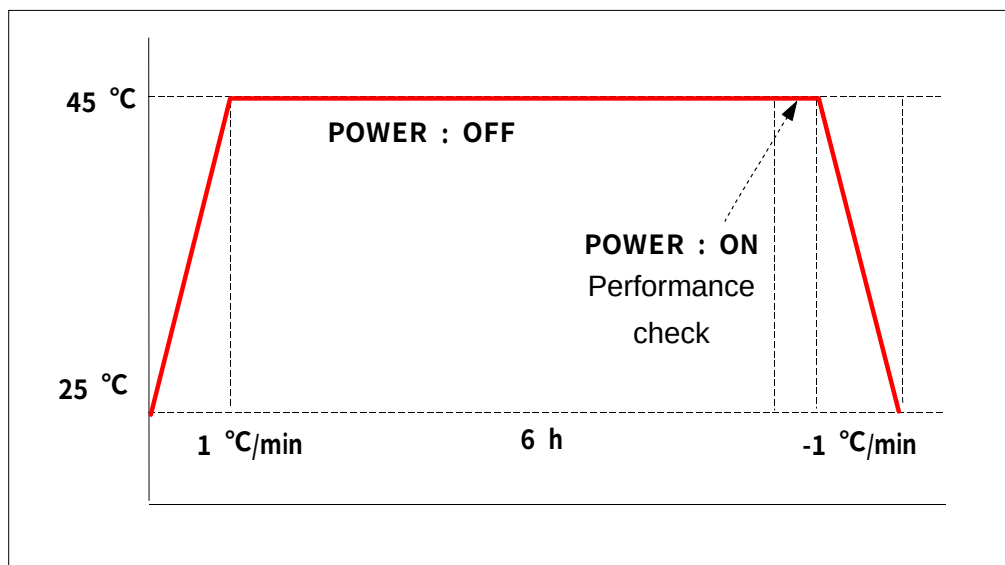
Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Koo, Hyung-kun (+82-31-240-6615)
Model	SNV-5010P	Date	August 4, 2011 ~ August 5, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.4 Class T3 # Column 1)	Page	2

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

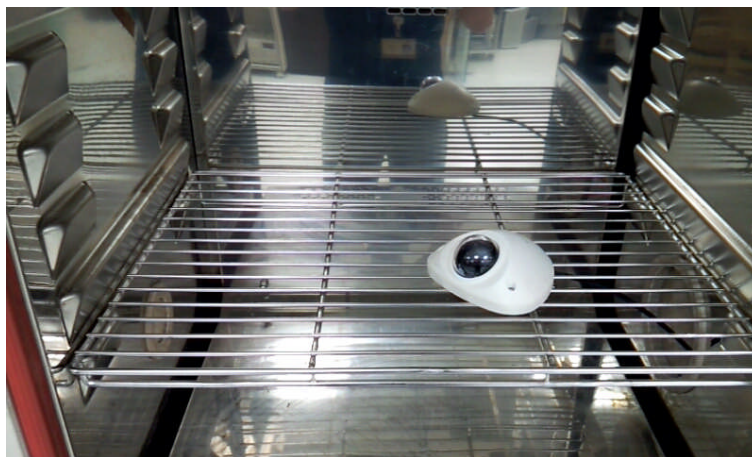
- a) Test temperature: -45 °C
- b) Test time: 6 h
- c) Check point: During the test
- d) Status of Product: Unpackaged product
- e) No. of sample: 1 EA
- f) Rated Voltage: DC 12 V

(2) Test profile



TEST PROGRAM

(3) Test photograph



(4) Test Result

Check Item	Result
1. Check for electrical performance. -. Communications network -. Video check	No abnormal was found
2. Visual inspection.	No abnormal was found

(5) List of used equipment

Equipment name	Model	Manufacturer	Calibration Date
Chamber	VC 7018	Votsch/Germany	August 16, 2010
DC Power Supply	HYP-505D	Han Young/Korea	March 21, 2011

※ The above test result is based on the test conducted on the test sample, which was requested by the client.

4.4 Damp heat Test, cyclic

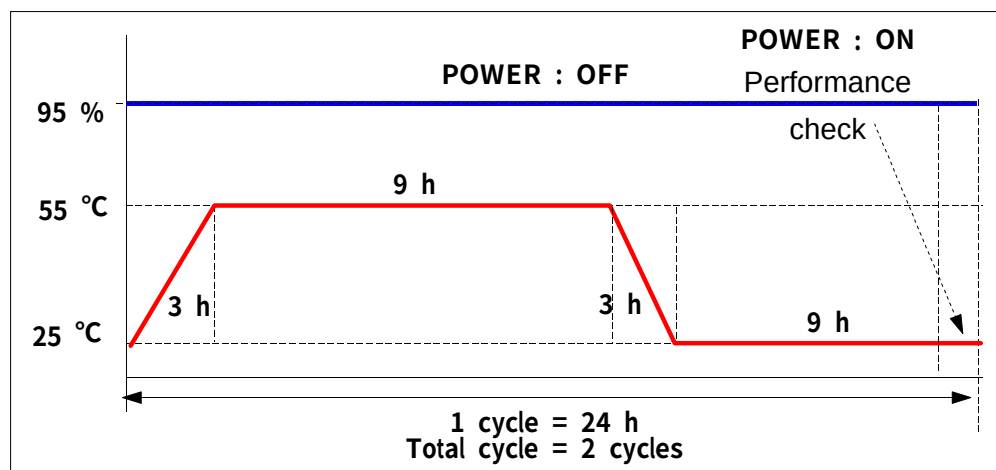
Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Koo, Hyung-kun (+82-31-240-6615)
Model	SNV-5010P	Date	August 9, 2011 ~ August 11, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.5)	Page	3

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

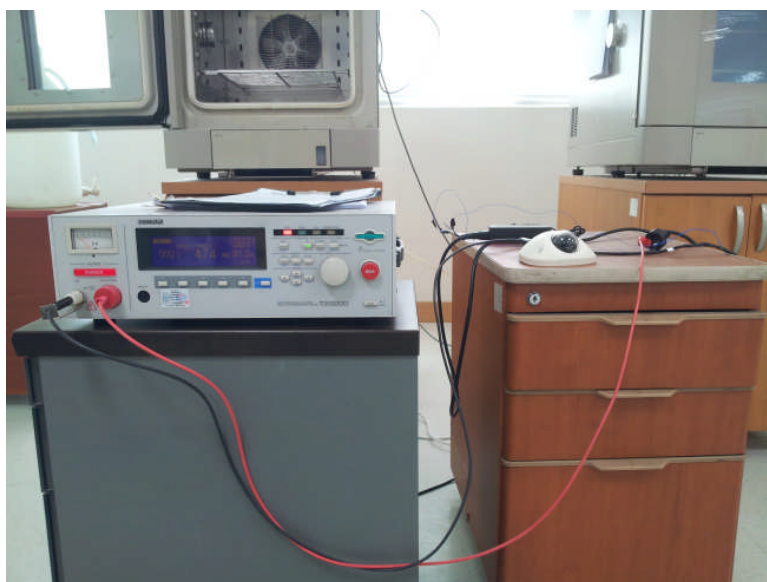
- a) Test temperature: (25 ~ 55) °C
- b) Test humidity: 95 % R.H.
- c) Test cycle: 2 cycles (24 h/cycle)
- d) Test time: 48 h
- e) Check point: During the test
- f) Status of Product: Unpackaged product
- g) No. of sample: 1 EA
- h) Rated Voltage: AC 220 V

(2) Test profile



TEST PROGRAM

(3) Test photograph



(4) List of used equipment

Equipment name	Model	Manufacturer	Calibration Date
Chamber	SH-661	ESPEC / JAPAN	August 16, 2010
W/I AUTO TESTER	TOS9200	KIKUSUL/JAPAN	March 21, 2011

(5) Test Result

Check Item	Result
1. Check for electrical performance. -. Communications network -. Video check	No abnormal was found
2. Visual inspection.	No abnormal was found
3. Insulation test. (DC 500 V, 1 min)	-. Before test: 651 MΩ -. After test: 482 MΩ
4. Voltage withstand test. (AC 1.5 kV, 1 min)	No abnormal was found

※ The above test result is based on the test conducted on the test sample, which was requested by the client.

4.5 Vibration, Shock and bump test (Resonance test Data)

Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Shin, Dong-jik (+82-31-8005-6026)
Model	SNV-5010P	Date	August 10, 2011 ~ August 11, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.11)	Page	6

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

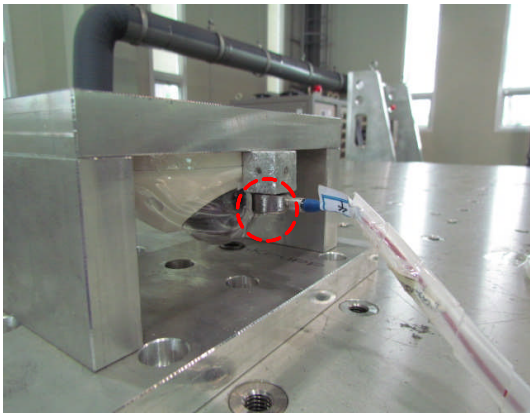
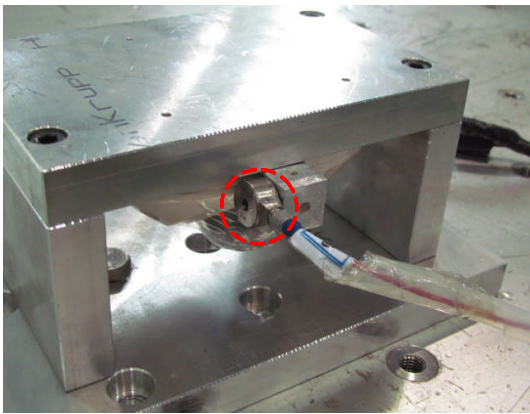
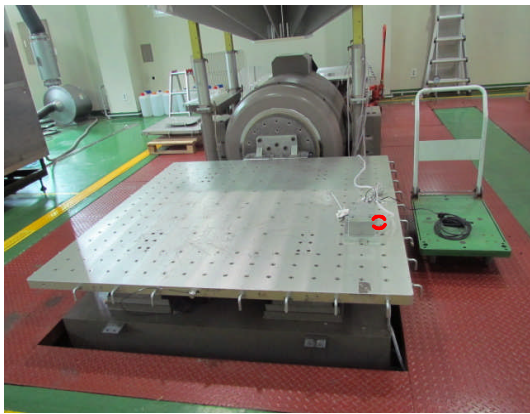
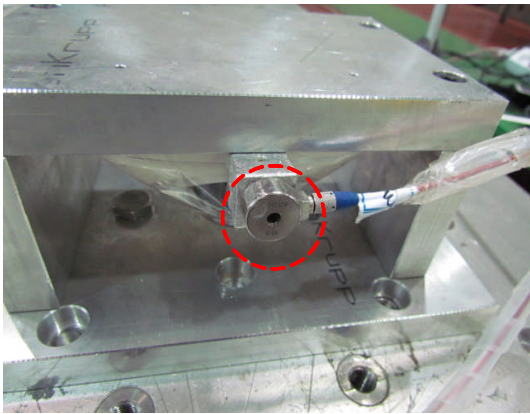
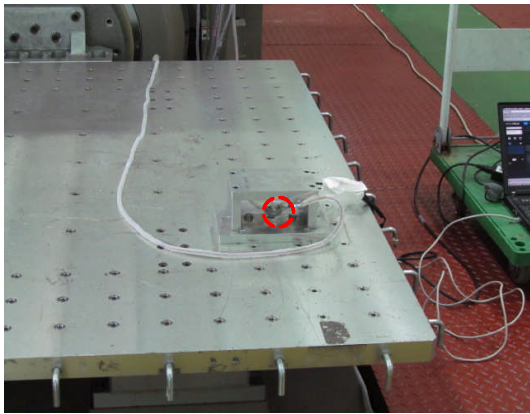
- 1) Test Type : Sweep sine
- 2) Acceleration : 5 m/s² (0.51 g_n)
- 3) Frequency : (5 ~ 150 ~ 5) Hz
- 4) Sweep Cycle : 1 Cycle
- 5) Test time : 15 min in total (Each axis 5 min)
- 6) Test axis : Vertical (Z), Transverse (X), Longitudinal (Y)
- 7) Check time : After the test
- 8) Sample state : Unpackaged product / Non-operation
- 9) Sample quantity : 1 EA

(2) Environment conditions : Temperature (28 ± 5) °C, Humidity (46 ± 4) % R.H.

(3) List of used equipment

Equipment name	Model	Manufacturer	Calibration date
Vibration tester	G-0310L	Shinken / Japan	May 20, 2011
Vibration tester	G-5250NS	Shinken / Japan	May 20, 2011
Accelerometer	15573	Endevco / Japan	May 20, 2011

(4) Test photograph

Test axis	Resonance point	General photograph
Vertical (Z)		
Transverse (X)		
Longitudinal (Y)		

(6) Test result

No.	Check point	Test result
# 1	Visual inspection - Mechanical damage such as deformation, crack, etc. - Performance check (Video check, Network communication)	No abnormal was found
	- Resonance search	- Z : 150 Hz, 10.309 m/s ² (1.051 g _n) - X : No resonance - Y : No resonance

※ The above test result is based on the test conducted on the test sample, which was requested by the client.

Resonance Test Data

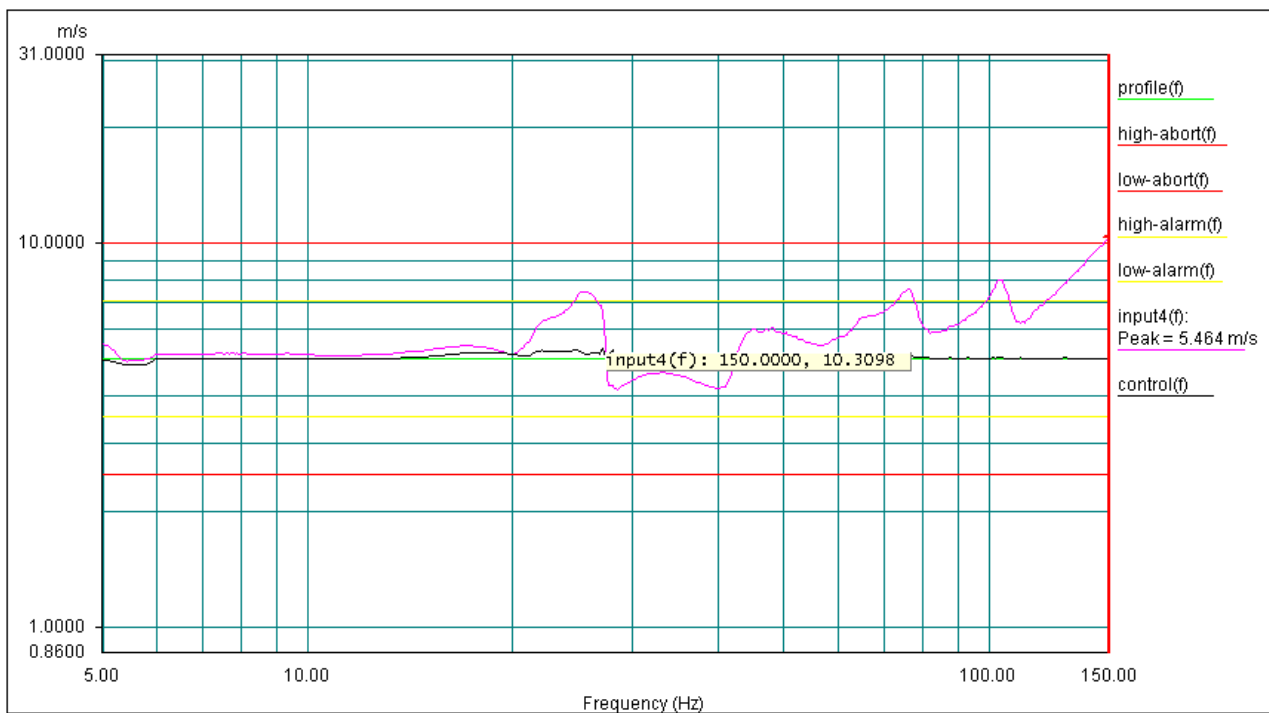
Project File Name: samsung techwin .prj

Profile Name: Vertical

Test Type:

Swept Sine

Run Folder: .\Run Aug 10, 2010



Level: 100 %

Control Peak: 4.965131 m/s²

Full Level Time: 00:05:00

Sweep Type: Logarithmic

Frequency: 5.003112 Hz

Demand Peak: 5.000000 m/s²

Time Remaining: 00:00:00

Sweep Rate: 1.96 Oct/Min

Data saved at 11:49:36 AM, Wednesday, August 10, 2011

Report created at 11:49:37 AM, Wednesday, August 10, 2011

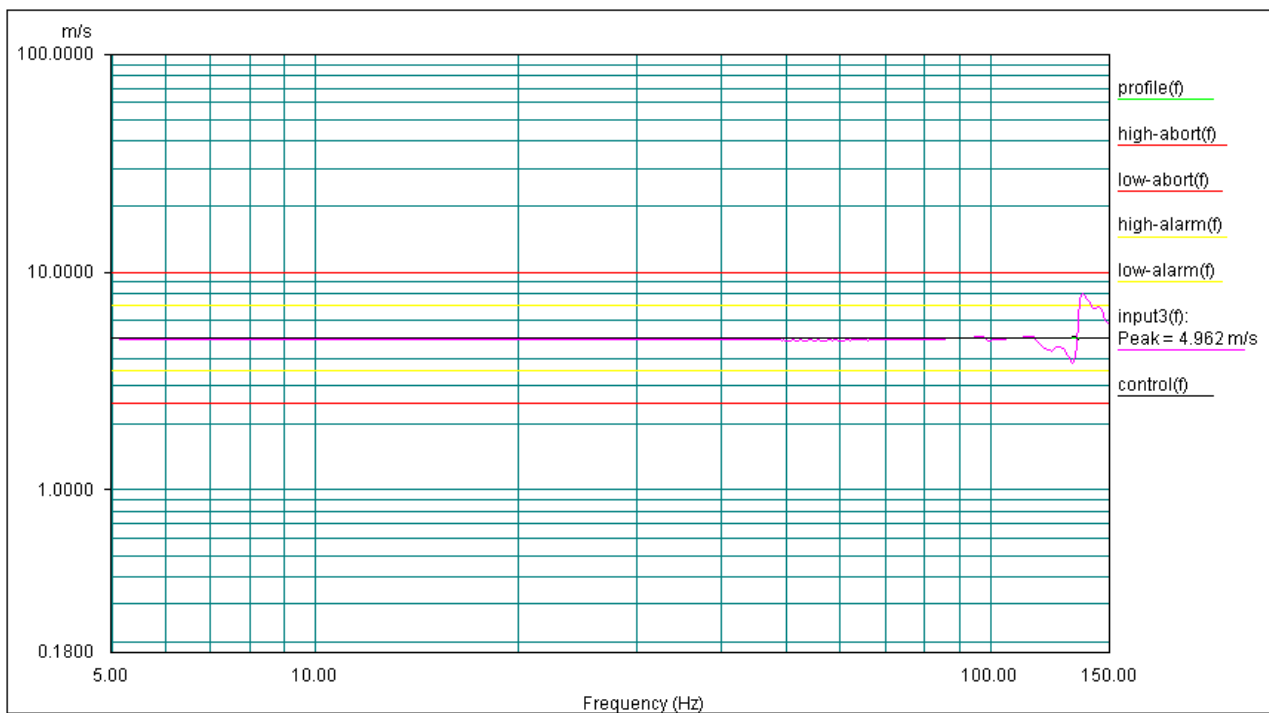
Project File Name: samsung techwin .prj

Profile Name: Transverse

Test Type:

Swept Sine

Run Folder: \Run Aug 11, 2010



Level: 100 %

Control Peak: 5.013226 m/s²

Full Level Time: 00:05:00

Sweep Type: Logarithmic

Frequency: 5.011593 Hz

Demand Peak: 5.000000 m/s²

Time Remaining: 00:00:00

Sweep Rate: 1.96 Oct/Min

Data saved at 02:58:06 PM, Thursday, August 11, 2011

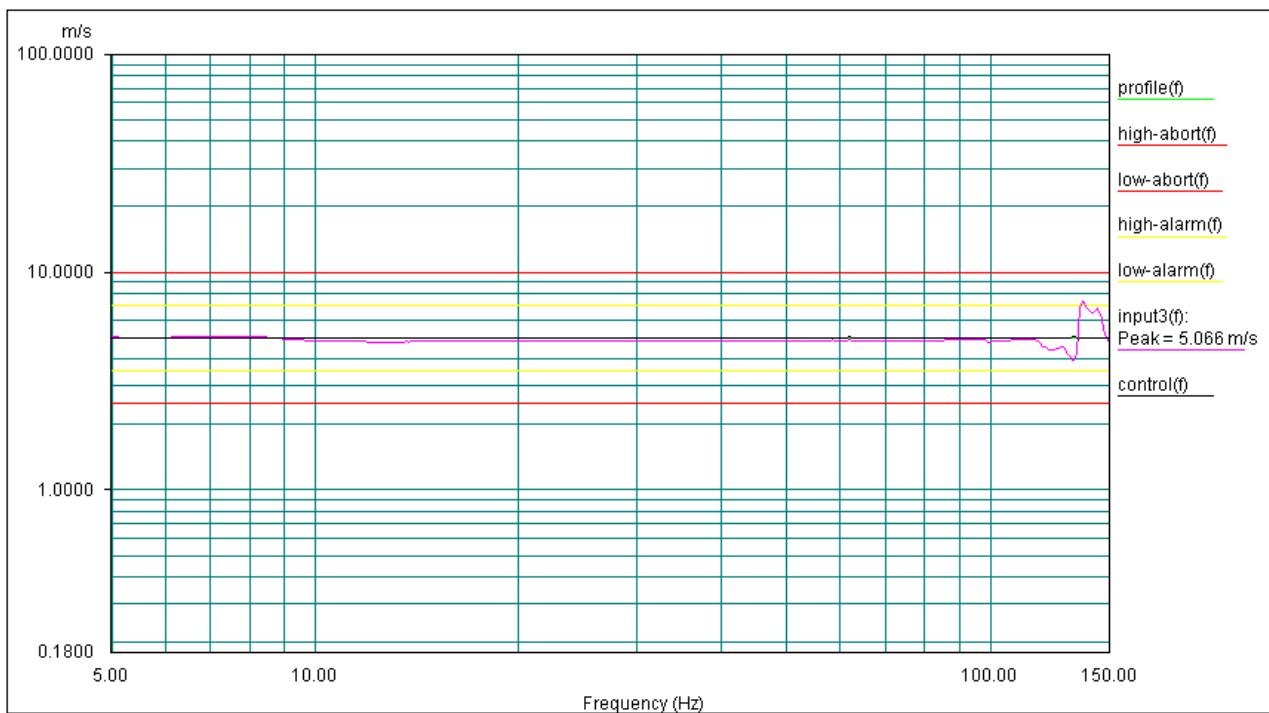
Report created at 02:58:07 PM, Thursday, August 11, 2011

Project File Name: samsung techwin .prj

Profile Name: Longitudinal

Test Type: Swept Sine

Run Folder: \.Run Aug 11, 2010



Level: 100 %

Control Peak: 5.022246 m/s²

Full Level Time: 00:05:00

Sweep Type: Logarithmic

Frequency: 5.004323 Hz

Demand Peak: 5.000000 m/s²

Time Remaining: 00:00:00

Sweep Rate: 1.96 Oct/Min

Data saved at 09:02:29 AM, Thursday, August 11, 2011

Report created at 09:02:35 AM, Thursday, August 11, 2011

4.6 Vibration, Shock and bump test (Random vibration test)

Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Shin, Dong-jik (+82-31-8005-6026)
Model	SNV-5010P	Date	August 10, 2011 ~ August 11, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.11)	Page	6

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

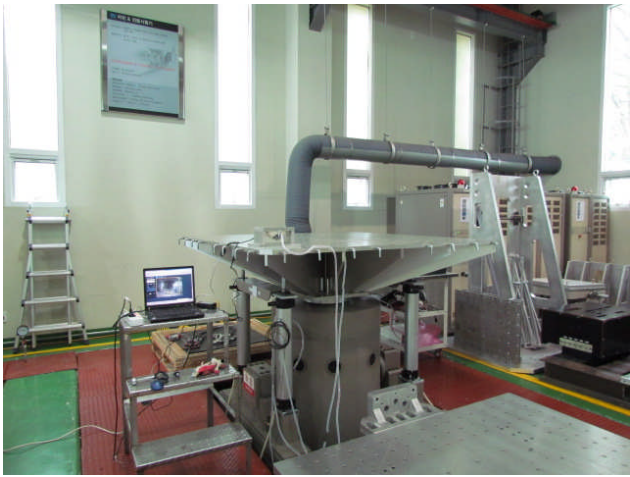
- 1) Test type : Random
- 2) Acceleration : Z-0.75 m/s² r.m.s. (0.07 g_n r.m.s.)→ Reference to (5) PSD Levels
X-0.37 m/s² r.m.s. (0.03 g_n r.m.s.)→ Reference to (5) PSD Levels
Y-0.5 m/s² r.m.s. (0.05 g_n r.m.s.)→ Reference to (5) PSD Levels
- 3) Frequency : (5 ~ 150) Hz
- 4) Test time : 30 min in total (**10** min in each axis)
- 5) Test axis : Vertical (Z), Transverse (X), Longitudinal (Y)
- 6) Check time : During the test
- 7) Sample condition : Unpackaged product / Operation
- 8) Sample quantity : 1 EA

(2) Environment conditions : Temperature (28 ± 5) °C, Humidity (46 ± 4) % R.H.

(3) List of used equipment

Equipment name	Model	Manufacturer	Calibration date
Vibration tester	G-0310L	Shinken / Japan	May 20, 2011
Vibration tester	G-5250NS	Shinken / Japan	May 20, 2011
Accelerometer	15573	Endevco / Japan	May 20, 2011

(4) Test photograph

Test axis	Photograph
Vertical (Z)	
Transverse (X)	
Longitudinal (Y)	

(5) PSD Levels

Vertical (Z)			Transverse (X)			Longitudinal (Y)		
Hz	Left slope dB/oct	[(m/s ²) ² /Hz]	Hz	Left slope dB/oct	[(m/s ²) ² /Hz]	Hz	Left slope dB/oct	[(m/s ²) ² /Hz]
5	-	0.016 4	5	-	0.004 1	5	-	0.007 3
20	-	0.016 4	20	-	0.004 1	20	-	0.007 3
150	-6	-	150	-6	-	150	-6	-
0.75 m/s ² r.m.s.			0.37 m/s ² r.m.s.			0.5 m/s ² r.m.s.		

(6) Test Result

No.	Check Point	Test Result
# 001	Visual inspection - Mechanical damage such as deformation, crack, etc. - Performance check (Video check, Network communication)	No abnormal was found

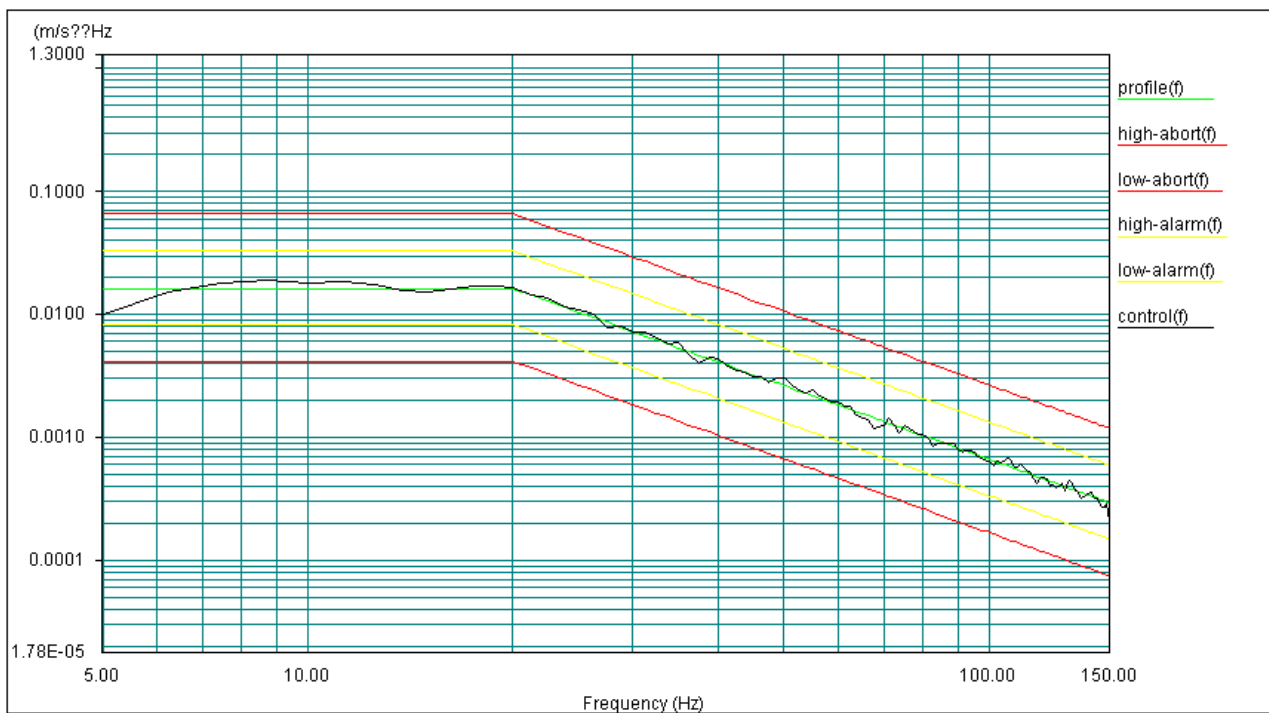
Random vibration test Data

Project File Name: samsung techwin .prj

Profile Name: Vertical

Test Type: Swept Sine

Run Folder: \Run Aug 10, 2011



Level: 0 dB

Control RMS: 0.763769 m/s^2

Full Level Elapsed Time: 00:10:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 0.732177 m/s^2

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 12:56:11 PM, Wednesday, August 10, 2011

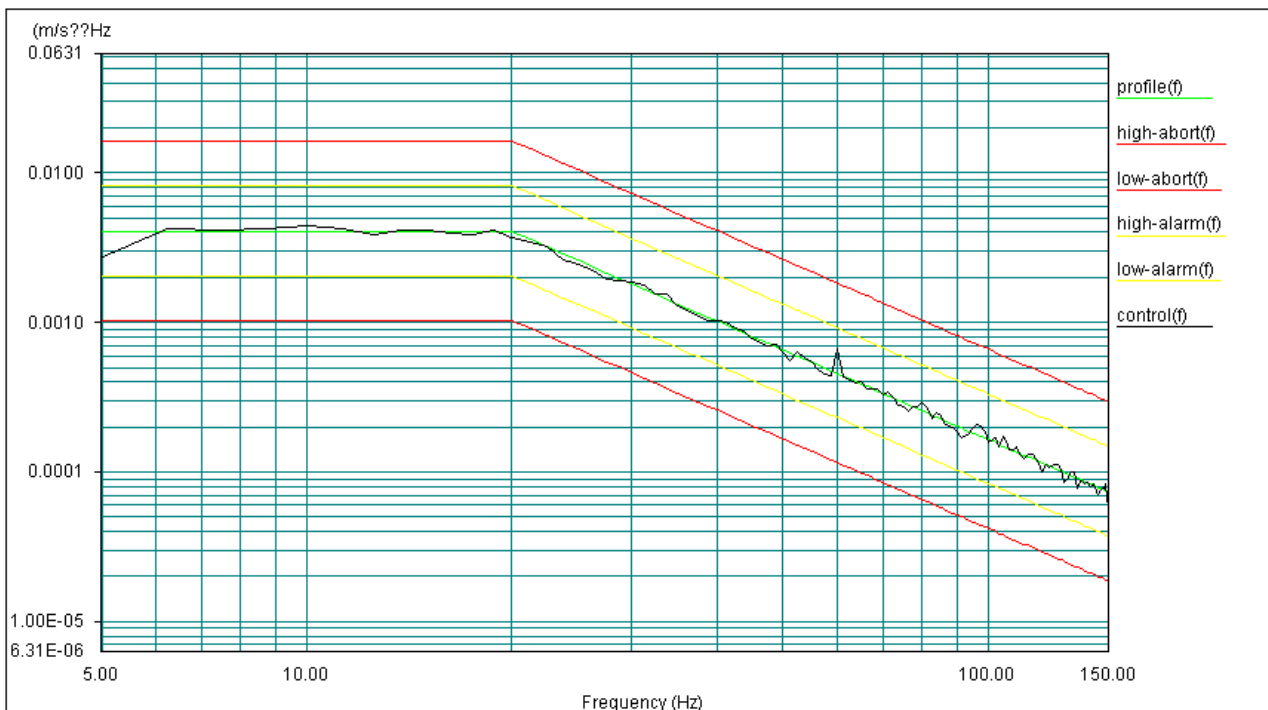
Report created at 12:56:12 PM, Wednesday, August 10, 2011

Project File Name: samsung techwin .prj

Profile Name: Transverse

Test Type: Swept Sine

Run Folder: .\Run Aug 11, 2011



Level: 0 dB

Control RMS: 0.400822 gn

Full Level Elapsed Time: 00:10:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 0.366089 gn

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 03:43:48 PM, Thursday, August 11, 2011

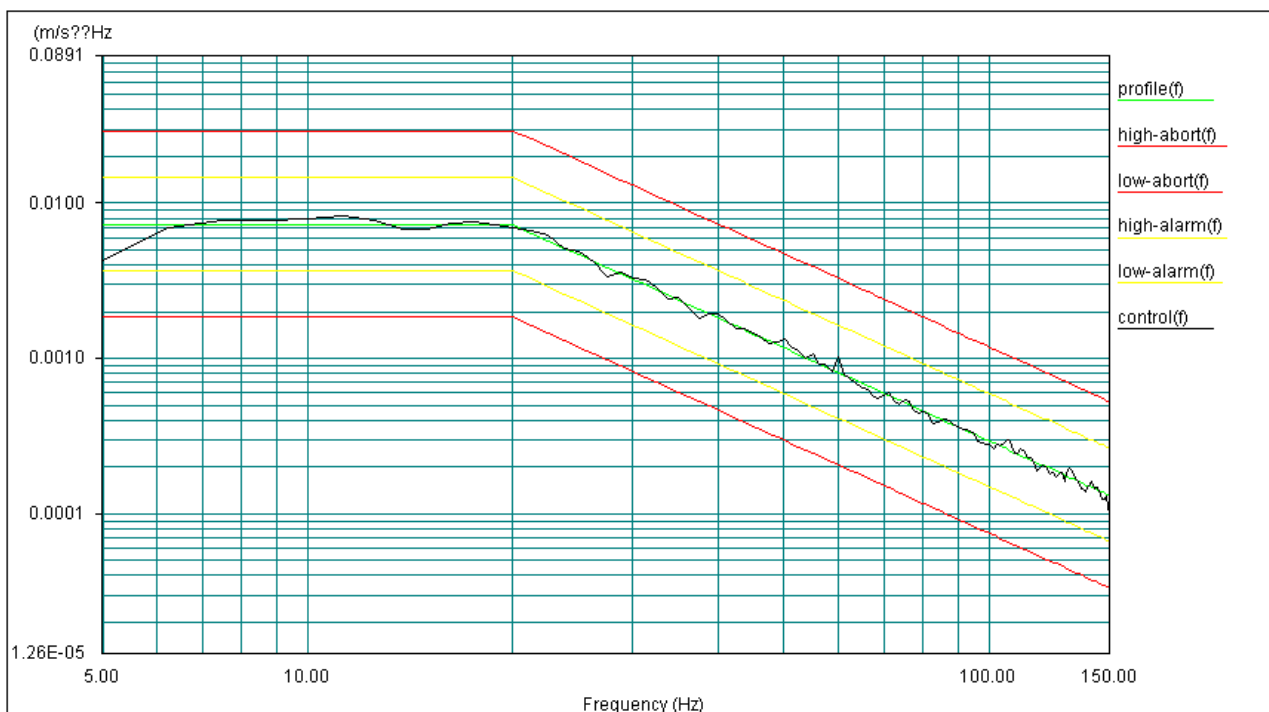
Report created at 03:43:48 PM, Thursday, August 11, 2011

Project File Name: samsung techwin .prj

Profile Name: Longitudinal

Test Type: Swept Sine

Run Folder: .\Run Aug 11, 2011



Level: 0 dB

Control RMS: 0.519641 m/s²

Full Level Elapsed Time: 00:10:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 0.488490 m/s²

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 09:21:20 AM, Thursday, August 11, 2011

Report created at 09:21:21 AM, Thursday, August 11, 2011

4.7 Vibration, Shock and bump test (Simulated long life test)

Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Shin, Dong-jik (+82-31-8005-6026)
Model	SNV-5010P	Date	August 10, 2011 ~ August 11, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.11)	Page	6

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

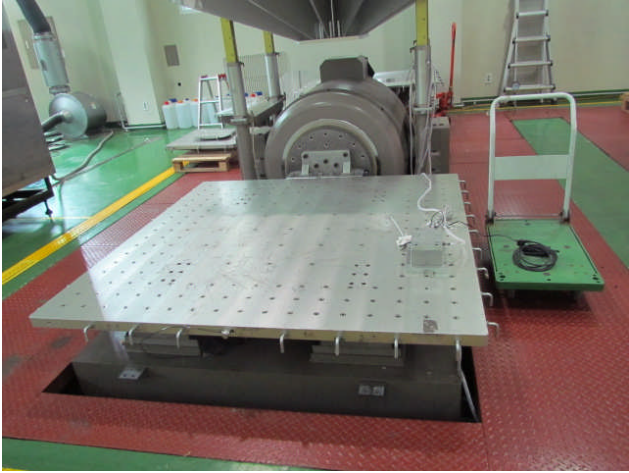
- 1) Test type : Random
- 2) Acceleration : Z-5.9 m/s² r.m.s. (0.06 g_n r.m.s.)→ Reference to (5) PSD Levels
X-2.9 m/s² r.m.s. (0.29 g_n r.m.s.)→ Reference to (5) PSD Levels
Y-3.9 m/s² r.m.s. (0.39 g_n r.m.s.)→ Reference to (5) PSD Levels
- 3) Frequency : (5 ~ 150) Hz
- 4) Test time : 15 min in total (5 h in each axis)
- 5) Test axis : Vertical (Z), Transverse (X), Longitudinal (Y)
- 6) Check time : After the test
- 7) Sample condition : Unpackaged product / Non-operation
- 8) Sample quantity : 1 EA

(2) Environment conditions : Temperature (28 ± 5) °C, Humidity (46 ± 4) % R.H.

(3) List of used equipment

Equipment name	Model	Manufacturer	Calibration date
Vibration tester	G-0310L	Shinken / Japan	May 20, 2011
Vibration tester	G-5250NS	Shinken / Japan	May 20, 2011
Accelerometer	15573	Endevco / Japan	May 20, 2011

(4) Test photograph

Test axis	Photograph
Vertical (Z)	
Transverse (X)	
Longitudinal (Y)	

(5) PSD Levels

Vertical (Z)			Transverse (X)			Longitudinal (Y)		
Hz	Left slope dB/oct	[(m/s ²) ² /Hz]	Hz	Left slope dB/oct	[(m/s ²) ² /Hz]	Hz	Left slope dB/oct	[(m/s ²) ² /Hz]
5	-	1.034	5	-	0.25	5	-	0.452
20	-	1.034	20	-	0.25	20	-	0.452
150	-6	-	150	-6	-	150	-6	-
5.9 m/s ² r.m.s.			2.9 m/s ² r.m.s.			3.9 m/s ² r.m.s.		

(6) Test Result

No.	Check Point	Test Result
# 001	Visual inspection - Mechanical damage such as deformation, crack, etc. - Performance check (Video check, Network communication)	No abnormal was found

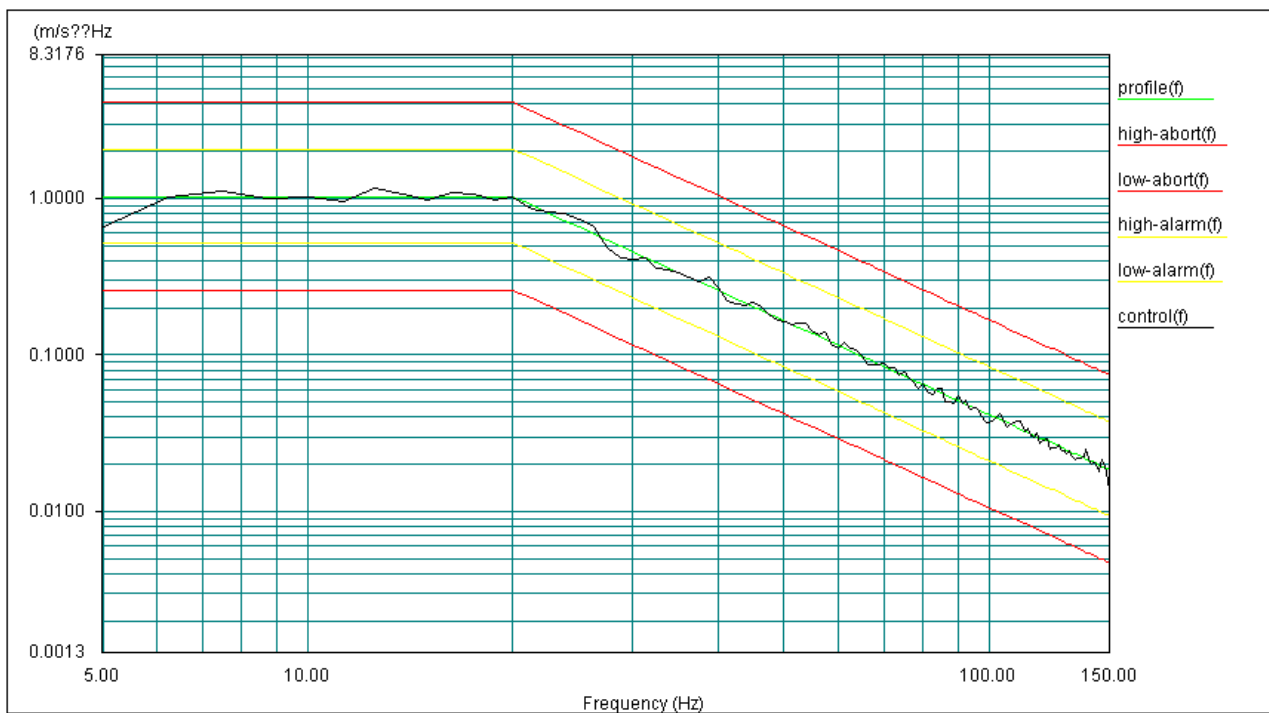
Simulated long life test Data

Project File Name: samsung techwin .prj

Profile Name: Vertical

Test Type: Swept Sine

Run Folder: \Run Aug 10, 2011



Level: 0 dB

Control RMS: 5.818786 m/s²

Full Level Elapsed Time: 05:00:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 5.813727 m/s²

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 05:59:09 PM, Wednesday, August 10, 2011

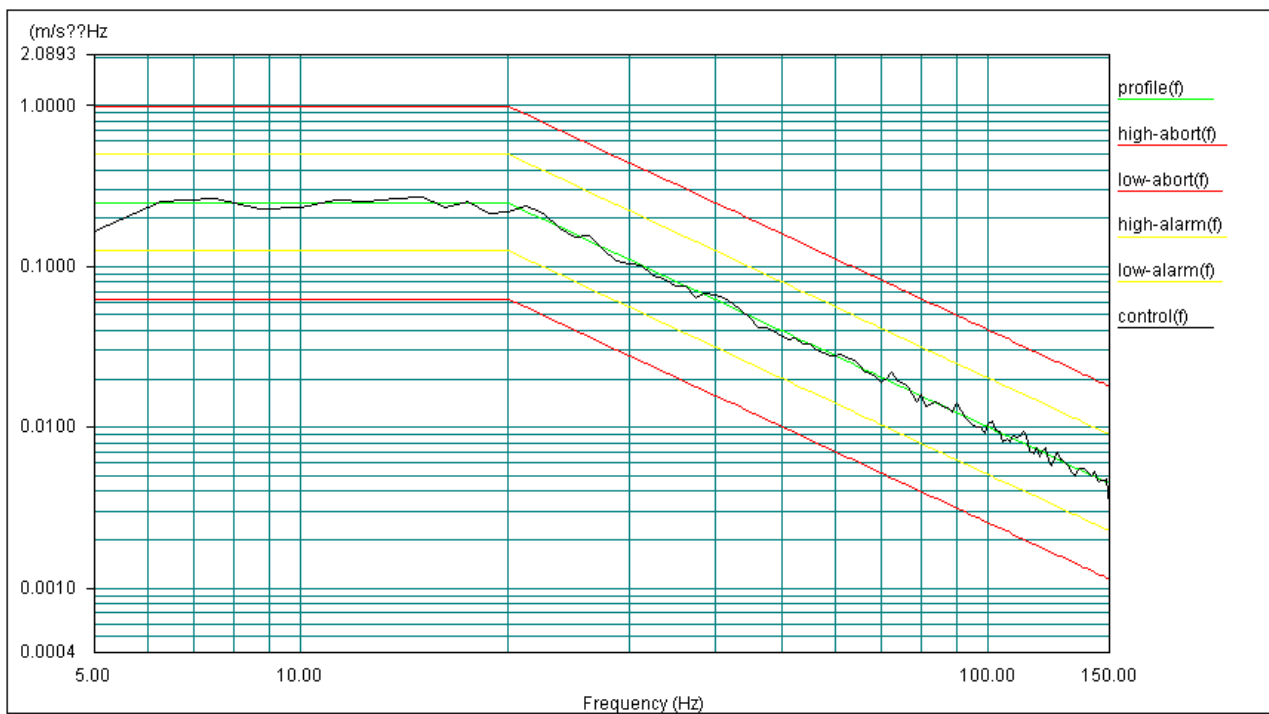
Report created at 05:59:11 PM, Wednesday, August 10, 2011

Project File Name: samsung techwin .prj

Profile Name: Transverse

Test Type: Swept Sine

Run Folder: .\Run Aug 11, 2011



Level: 0 dB

Control RMS: 2.848357 m/s²

Full Level Elapsed Time: 05:00:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 2.858672 gn

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 08:47:25 PM, Thursday, August 11, 2011

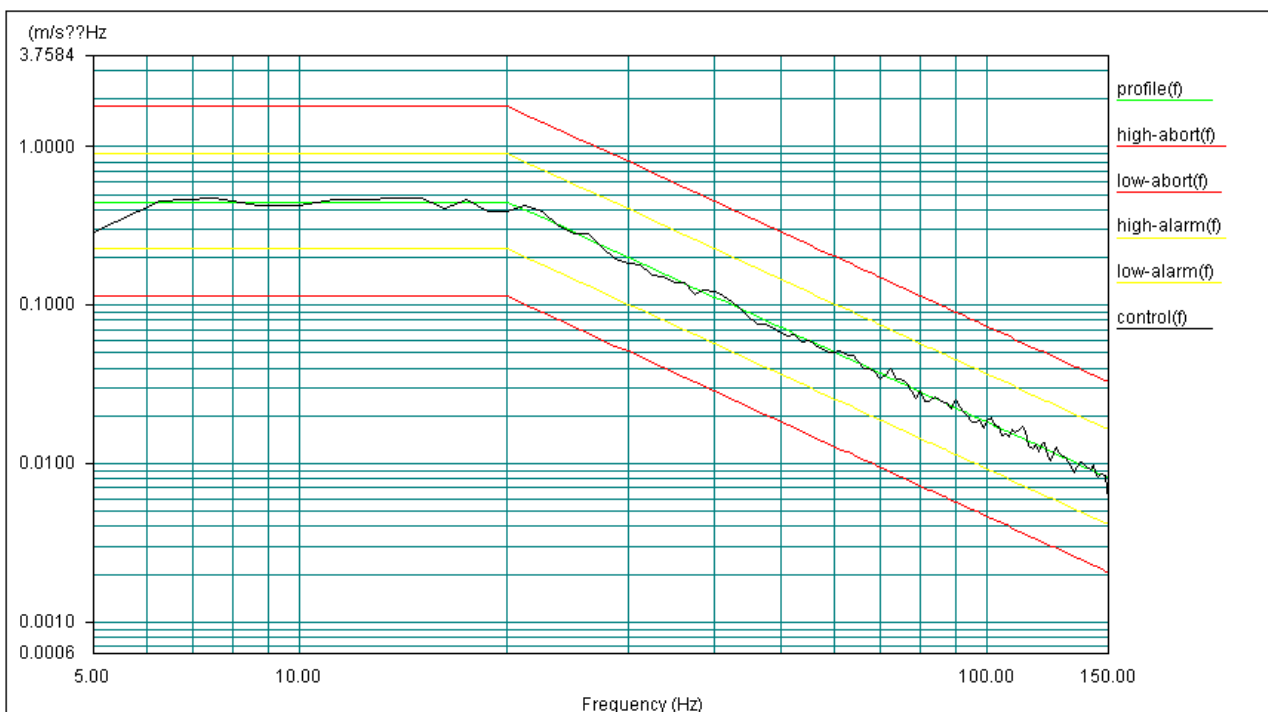
Report created at 08:47:26 PM, Thursday, August 11, 2011

Project File Name: samsung techwin .prj

Profile Name: Longitudinal

Test Type: Swept Sine

Run Folder: .\Run Aug 11, 2011



Level: 0 dB

Control RMS: 3.819597 m/s²

Full Level Elapsed Time: 05:00:00

Lines: 800

Frame Time: 0.800000 Seconds

Demand RMS: 3.843824 m/s²

Remaining Time: 00:00:00

DOF: 154

dF: 1.250000 Hz

Data saved at 02:24:37 PM, Thursday, August 11, 2011

Report created at 02:24:45 PM, Thursday, August 11, 2011

4.8 Vibration, Shock and bump test (Shock test)

Applicant	SAMSUNG TECHWIN Co., Ltd	Dept. in charge	Reliability Test Team
Product	Network Camera	Tester	Shin, Dong-jik (+82-31-8005-6026)
Model	SNV-5010P	Date	August 10, 2011 ~ August 11, 2011
Serial No.	N/A		
Standard	EN 50155: 2007 (Section 12.2.11)	Page	9

※ As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

(1) Test conditions

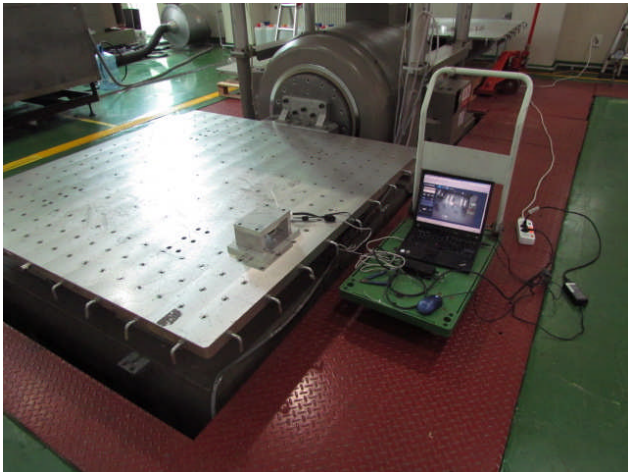
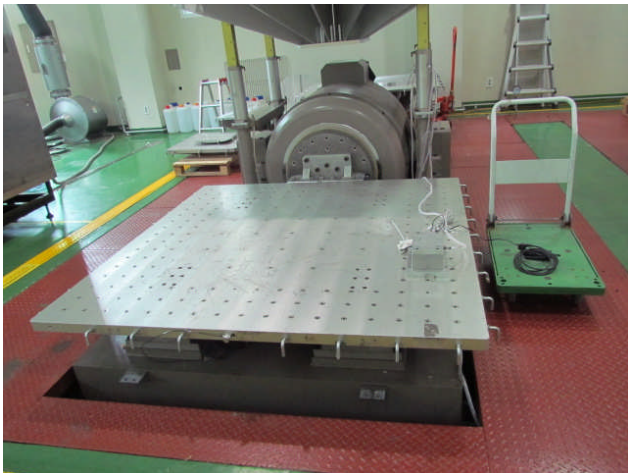
- 1) Test type : Random
- 2) Peak acceleration of nominal pulse : Z-30 m/s² (3.061g_n)
X-30 m/s² (3.061 g_n)
Y-50 m/s² (5.102 g_n)
- 3) Duration of nominal pulse : 30 ms
- 4) Number of shock : 18 times in each axis (3 times in total)
- 5) Test axis : Vertical (Z), Transverse (X), Longitudinal (Y)
- 6) Check time : After the test
- 7) Sample condition : Unpackaged product / Non-operation
- 8) Sample quantity : 1 EA

(2) Environment conditions : Temperature (28 ± 5) °C, Humidity (46 ± 4) % R.H.

(3) List of used equipment

Equipment name	Model	Manufacturer	Calibration date
Vibration tester	G-0310L	Shinken / Japan	May 20, 2011
Vibration tester	G-5250NS	Shinken / Japan	May 20, 2011
Accelerometer	14076	Endevco / Japan	November 3, 2010

(4) Test photograph

Test axis	Photograph
Vertical (Z)	
Transverse (X)	
Longitudinal (Y)	

(5) Test Result

No.	Check Point	Test Result
# 001	Visual inspection - Mechanical damage such as deformation, crack, etc. - Performance check (Video check,Network communication)	No abnormal was found

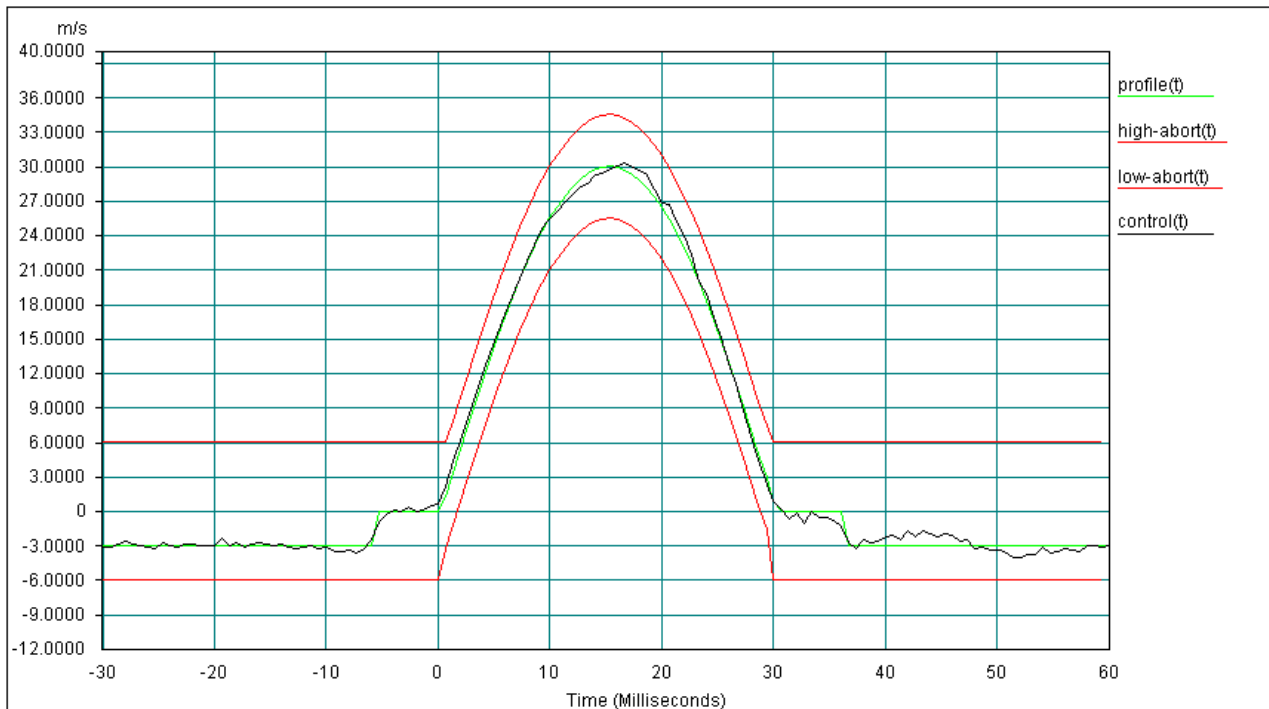
Shock test Data

Project File Name: samsung techwin .prj

Profile Name: Vertical / Positive

Test Type: Classical Shock

Run Folder: .\Run Aug 10, 2011



Level: 100 %

Block Size: 2048

Elapsed Pulses: 13

Frame Time: 1.365333 Seconds

Control Peak: 30.348656 m/s²

Control RMS: 30.348656 m/s²

Full Level Elapsed Pulses: 3

dT: 0.000667 Seconds

Demand Peak: 30.000000 m/s²

Demand RMS: 3.550706 m/s²

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 30.000000 m/s²

Data saved at 06:00:52 PM, Wednesday, August 10, 2011

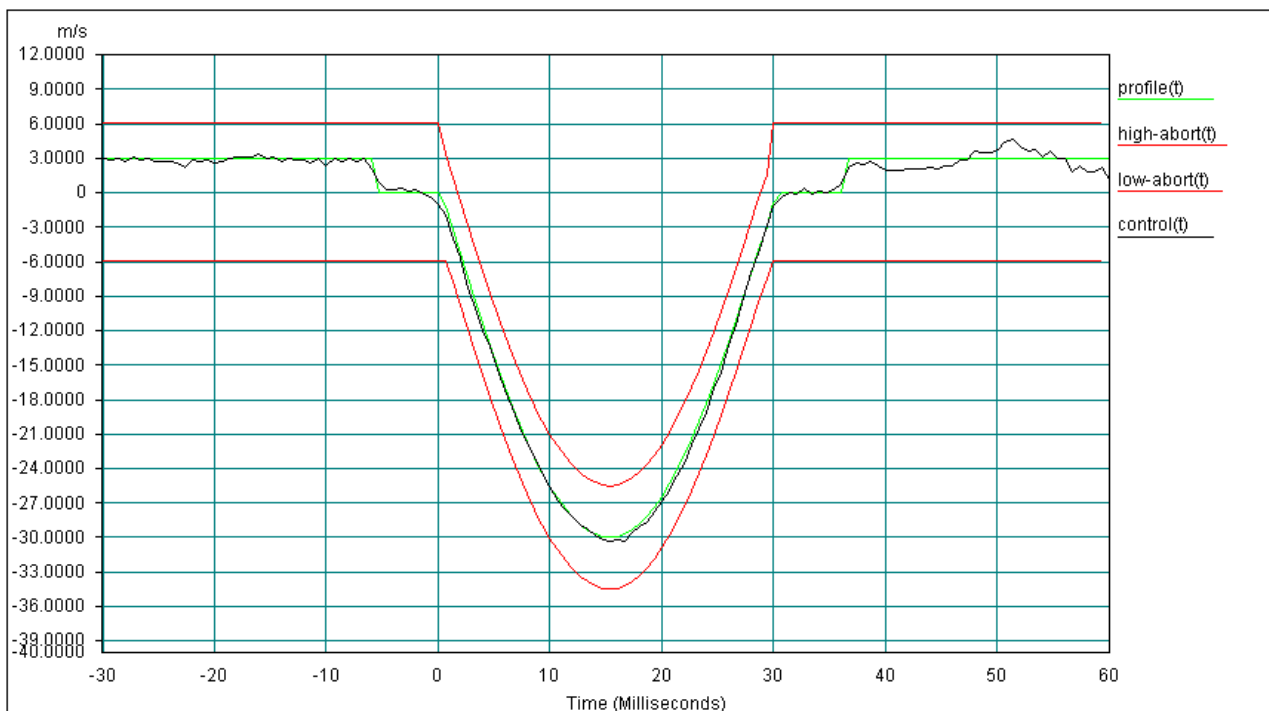
Report created at 06:00:53 PM, Wednesday, August 10, 2011

Project File Name: samsung techwin .prj

Profile Name: Vertical / Negative

Test Type: Classical Shock

Run Folder: \Run Aug 10, 2011



Level: 100 %

Block Size: 2048

Elapsed Pulses: 13

Frame Time: 1.365333 Seconds

Control Peak: 30.314892 m/s²

Control RMS: 3.569570 m/s²

Full Level Elapsed Pulses: 3

dT: 0.000667 Seconds

Demand Peak: 30.000000 m/s²

Demand RMS: 3.550706 m/s²

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 30.000000 m/s²

Data saved at 06:02:02 PM, Wednesday, August 10, 2011

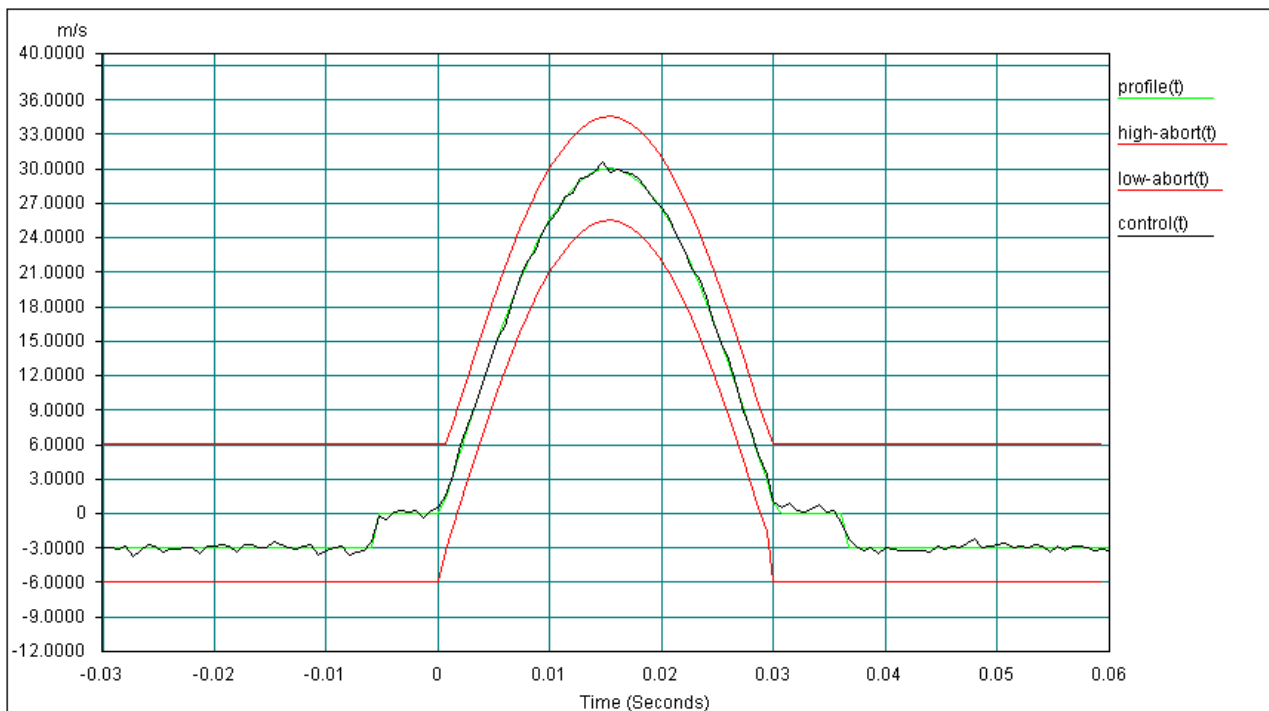
Report created at 06:02:03 PM, Wednesday, August 10, 2011

Project File Name: samsung techwin .prj

Profile Name: Transverse / Positive

Test Type: Classical Shock

Run Folder: .\Run Aug 11, 2011



Level: 100 %

Block Size: 2048

Elapsed Pulses: 10

Frame Time: 1.365333 Seconds

Control Peak: 30.542782 m/s²

Control RMS: 3.551072 m/s²

Full Level Elapsed Pulses: 3

dT: 0.000667 Seconds

Demand Peak: 30.000000 m/s²

Demand RMS: 3.550706 m/s²

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 30.000000 m/s²

Data saved at 08:48:49 PM, Thursday, August 11, 2011

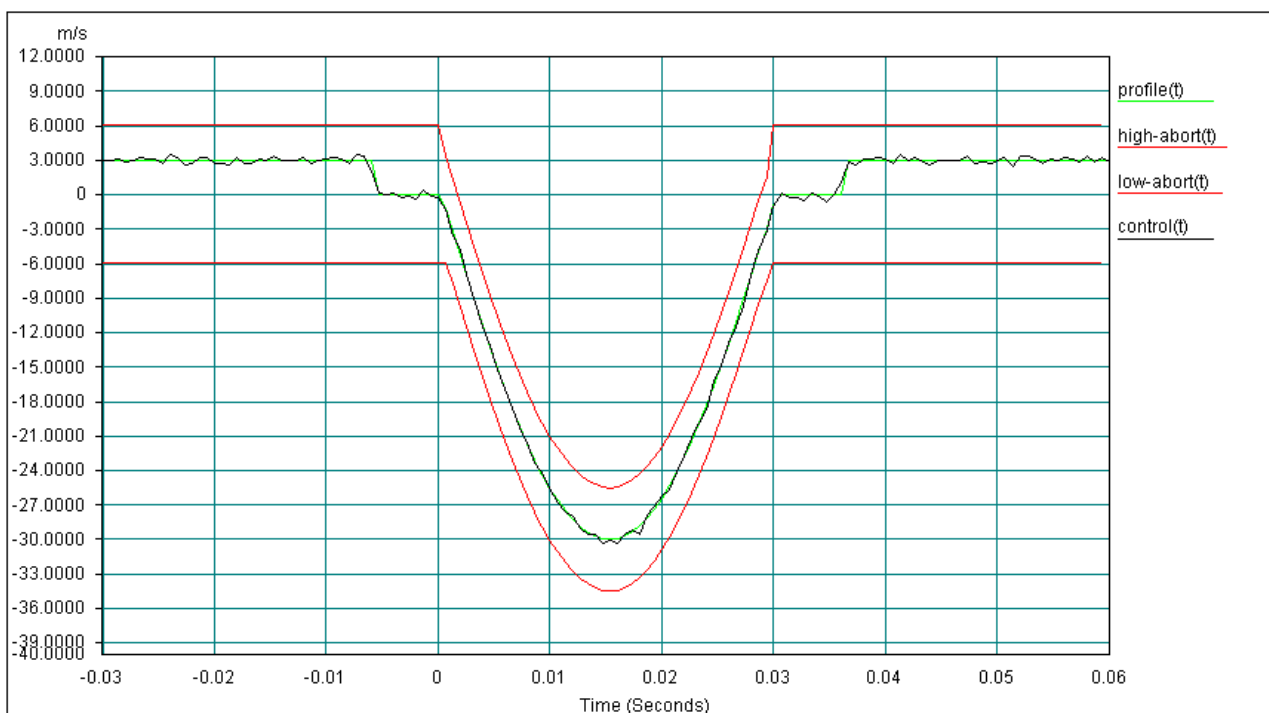
Report created at 08:48:50 PM, Thursday, August 11, 2011

Project File Name: samsung techwin .prj

Profile Name: Transverse / Negative

Test Type: Classical Shock

Run Folder: .\Run Aug 11, 2011



Level: 100 %

Block Size: 2048

Elapsed Pulses: 10

Frame Time: 1.365333 Seconds

Control Peak: 30.398182 m/s²

Control RMS: 3.553641 m/s²

Full Level Elapsed Pulses: 3

dT: 0.000667 Seconds

Demand Peak: 30.000000 m/s²

Demand RMS: 3.550706 m/s²

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 30.000000 m/s²

Data saved at 08:49:38 PM, Thursday, August 11, 2011

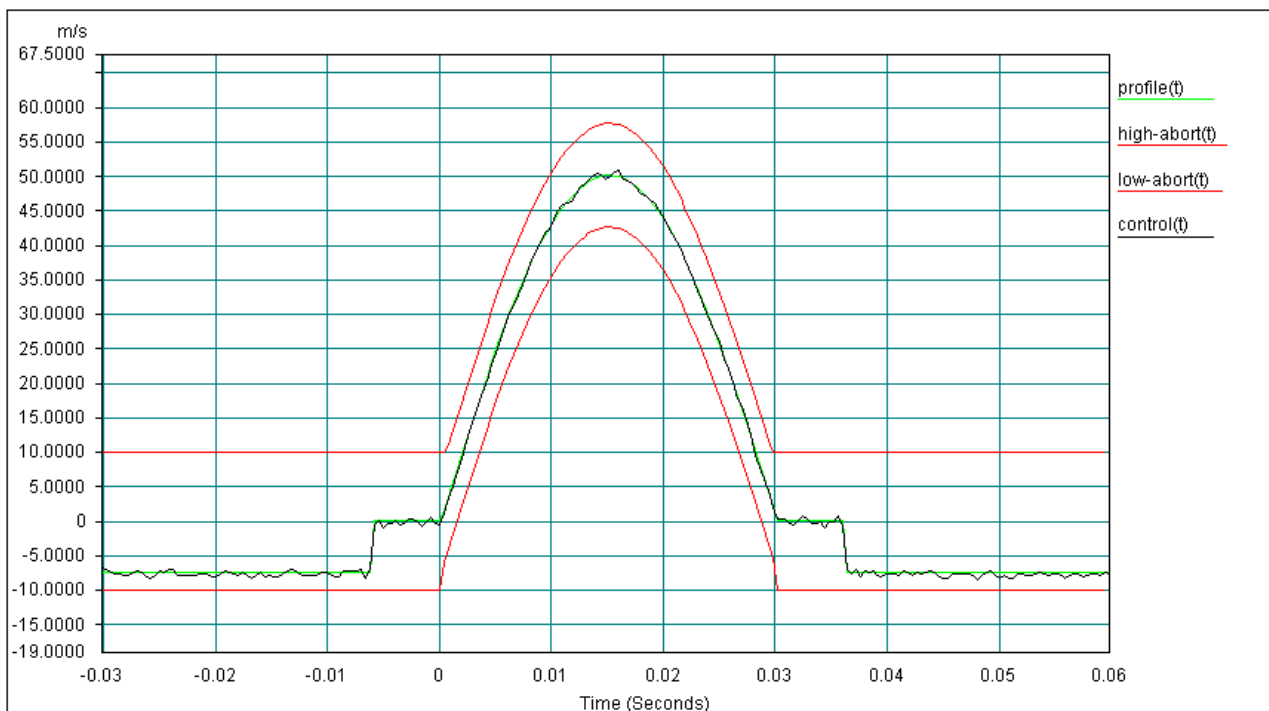
Report created at 08:49:39 PM, Thursday, August 11, 2011

Project File Name: samsung techwin .prj

Profile Name: Longitudinal / Positive

Test Type: Classical Shock

Run Folder: .\Run Aug 11, 2011



Level: 100 %

Frame Time: 0.800000 Seconds

Full Level Elapsed Pulses: 3

Demand RMS: 8.136148 m/s²

Amplitude: 50.000000 m/s²

Data saved at 02:26:25 PM, Thursday, August 11, 2011

Report created at 02:26:26 PM, Thursday, August 11, 2011

Block Size: 2048

Control Peak: 50.609333 m/s²

dT: 0.000391 Seconds

Remaining Pulses: 0

Elapsed Pulses: 13

Control RMS: 8.151210 m/s²

Demand Peak: 50.000000 m/s²

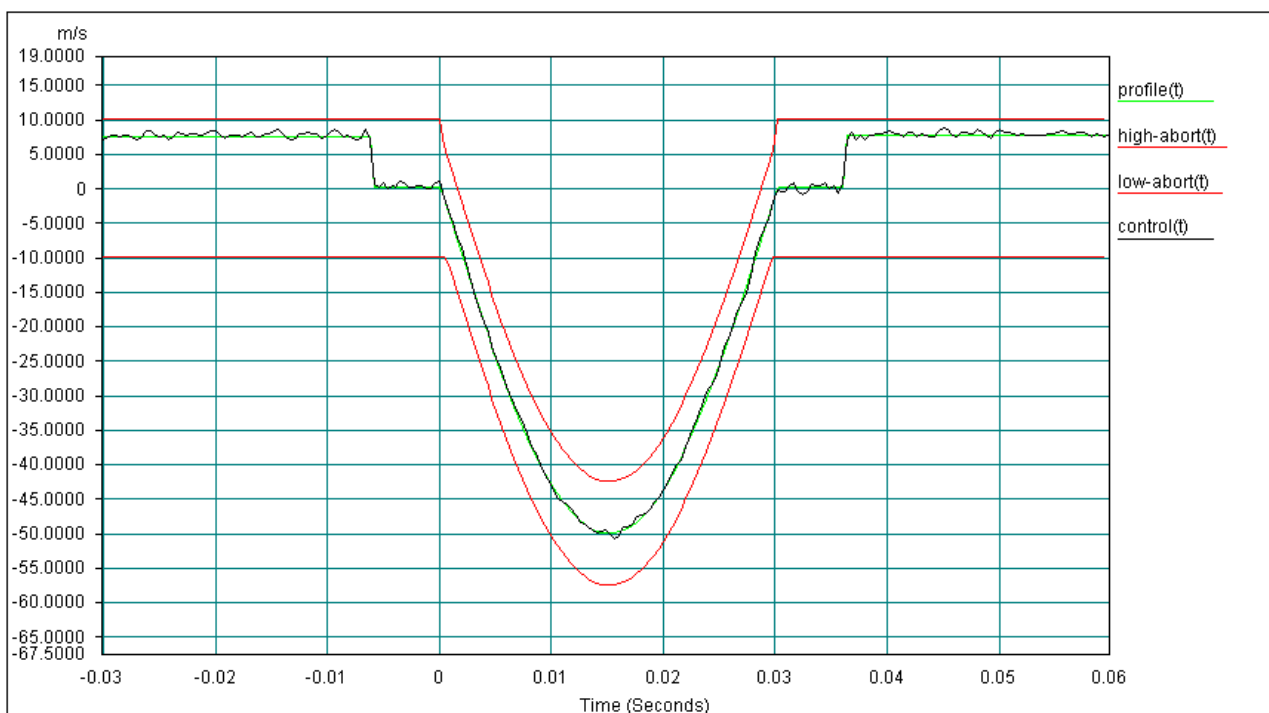
Pulse Type: Half Sine

Project File Name: samsung techwin .prj

Profile Name: Longitudinal / Negative

Test Type: Classical Shock

Run Folder: .\Run Aug 11, 2011



Level: 100 %

Frame Time: 0.800000 Seconds

Full Level Elapsed Pulses: 3

Demand RMS: 8.136148 m/s²

Amplitude: 50.000000 m/s²

Data saved at 02:27:14 PM, Thursday, August 11, 2011

Report created at 02:27:15 PM, Thursday, August 11, 2011

Block Size: 2048

Control Peak: 50.703800 m/s²

dT: 0.000391 Seconds

Remaining Pulses: 0

Elapsed Pulses: 13

Control RMS: 8.159851 m/s²

Demand Peak: 50.000000 m/s²

Pulse Type: Half Sine