

# 7Starlake Co., Ltd.

2F, No. 190, Sec. 2, Zhongxing Rd., Xindian District, New Taipei City 23146, Taiwan

## TEST REPORT

**SCOPE OF WORKS**

Vibration Test

Temperature Cycle Test

**REPORT NUMBER**

251200166TPE-001

**ISSUE DATE**

7-January-2026

**SAMPLE RECEIVED DATE**

9-December-2025

**TEST DATE**

10-December-2025 to 16-December-2025

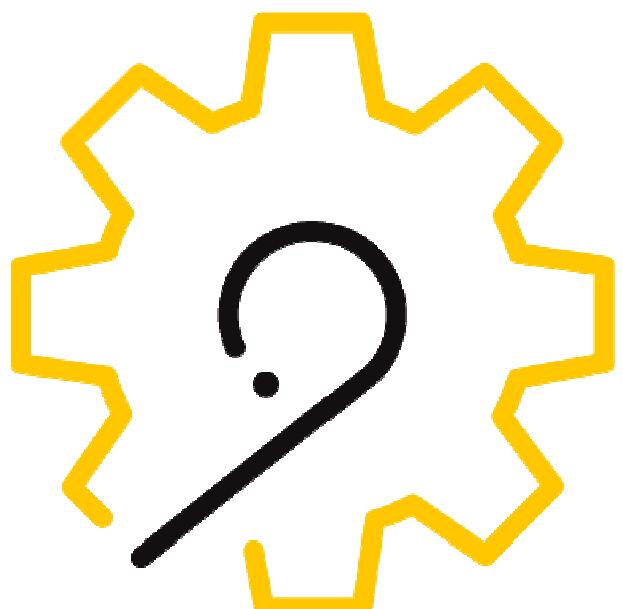
**PAGES**

34

**DOCUMENT CONTROL NUMBER**

GFT-OP-10h (03-Oct-2023)

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Intertek Testing Services Taiwan  
Ltd., 5F, No. 423 Ruiguang Rd.,  
Neihu Dist., Taipei 11492,  
Taiwan

## TEST REPORT FOR 7STARLAKE CO., LTD.

Report No.: 251200166TPE-001

Date: January, 7, 2026

Telephone: +886 2 66022888  
[www.intertek-twn.com](http://www.intertek-twn.com)

### PRODUCT / MODEL

AVR800-S4L4 / AV800-S4L4

### P/N

AV800-S4L4

### S/N

SR2025041801002 ~ SR2025041801008

### OBJECTIVE

Observe the sample and record for any different during and after the test.

Reviewed by:

*Ben Wu*

Tested by:

*Jerry Lam*

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## SECTION 1

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## SECTION 2

### OBJECTIVE

Vibration Test – With reference to IEC 60068-2-64

Temperature Cycle Test – With reference to IEC 60068-2-14 Test Nb

## SECTION 3

### PARAMETERS

Please note that the test results with statement of conformity, the decision rules which are based on:

Safety Testing: the specification, standard or IEC Guide 115.

Other Testing: the specification, standard and not taking into account the measurement uncertainty.

The following parameters are controlled

VALUE	UNITS	METHOD	CI
Temperature	°C	Chamber	95%
Acceleration	G	Shaker	95%

## SECTION 4

### SAMPLE ACQUISITION

Provided by the applicant.

**Tested Sample:** Sample 1 to Sample 7

## SECTION 5 EQUIPMENT LIST

#	EQUIPMENT DESCRIPTION	MANUFACTURER'S NAME / MODEL #	INTERTEK ASSET #	CALIBRATION DATE	CALIBRATION DUE
1	Walk-in Chamber	HITACHI / ER-55MHP	EC0617	May, 26, 2025	May, 25, 2026

Testing was conducted at:  
Intertek Testing Services Taiwan Ltd., 5F, No. 423 Ruiguang Rd., Neihu Dist., Taipei 11492, Taiwan

## SECTION 6 Vibration Test – DATA SHEET

### Laboratory Ambiance Condition:

Temperature : 15 ~ 35 °C

Humidity : 25 ~ 75 %RH

### Peripheral Setup Diagram:

-Sample size: 7 units

-Sample photo before the test:

Sample 1



-Sample photo before the test:

Sample 2



Sample 3

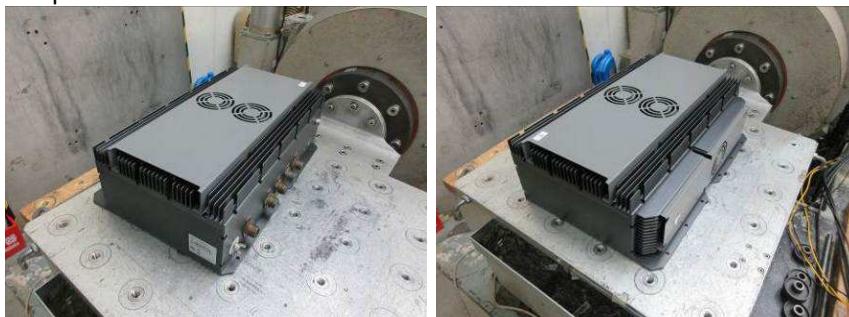


Sample 4



-Sample photo before the test:

Sample 5



Sample 6



Sample 7



**TEST REPORT FOR 7STARLAKE CO., LTD.**  
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### -Setup photo:



X axis



Y axis



Z axis

### Test Condition:

Tested Sample: Sample 1 to Sample 7

### -Pulse Shape: Random wave

-Operating: Input electrical power to operate during the test.

-Frequency Range: 20 Hz to 2000 Hz

-Acceleration: 4.5 Grms

-Duration: 10 minute/axis

-Direction: X, Y and Z axes

### -Spectrum:

Frequency (Hz)	PSD (G <sup>2</sup> /Hz)
20	0.005507
80	0.022027
350	0.022027
2000	0.003855

### Test Procedure:

-Check the samples' appearance before the test.

-Install the samples on the testing table and set up testing condition.

-After testing, take off samples from table and put them in the storage area.

-Observe the samples and record for any visible change after testing.

## Summary:

-No visible damage was found on sample appearance after the test.

-Sample photo after the test:

Sample 1



Sample 2



Sample 3



-Sample photo after the test:

Sample 4



Sample 5



Sample 6



**TEST REPORT FOR 7STARLAKE CO., LTD.**

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-Sample photo after the test:

Sample 7

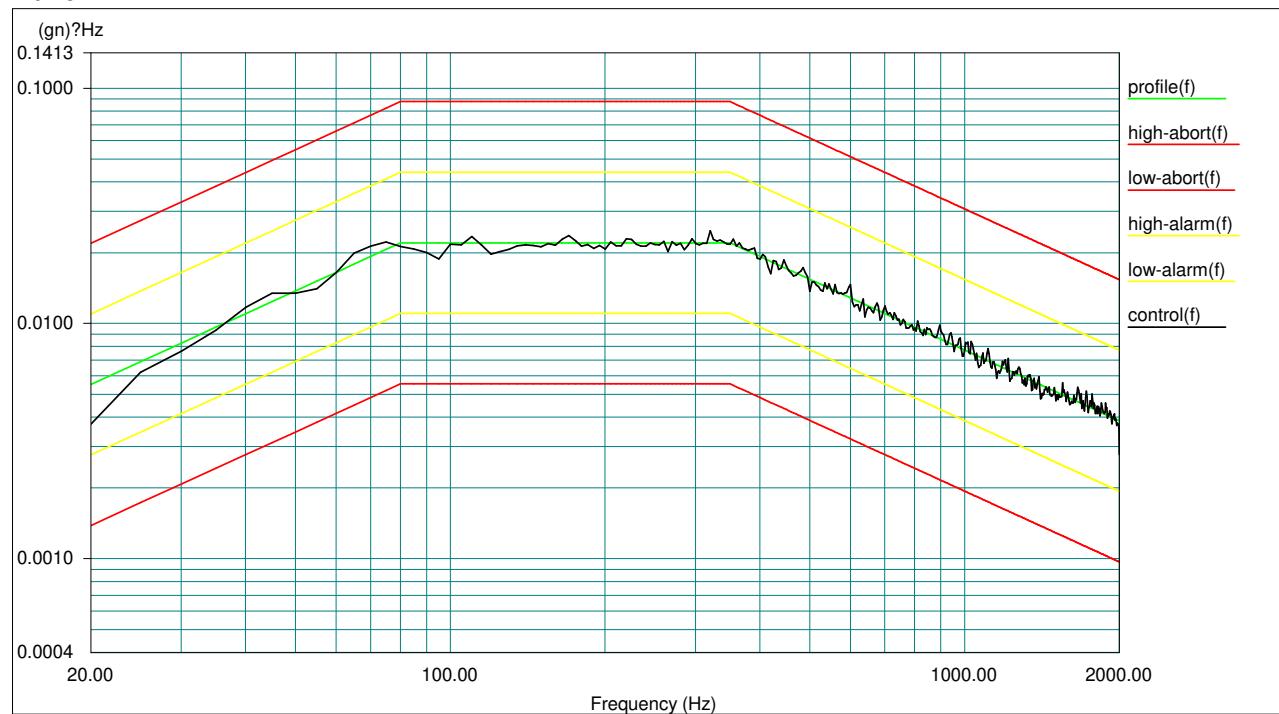


Benchmark and Non-standard Test Report: Report must be reproduced in its entirety

-Test profile:

Sample 1

X axis



Level: 100 %

Control RMS: 4.494551 gn

Full Level Elapsed Time: 00:10:00

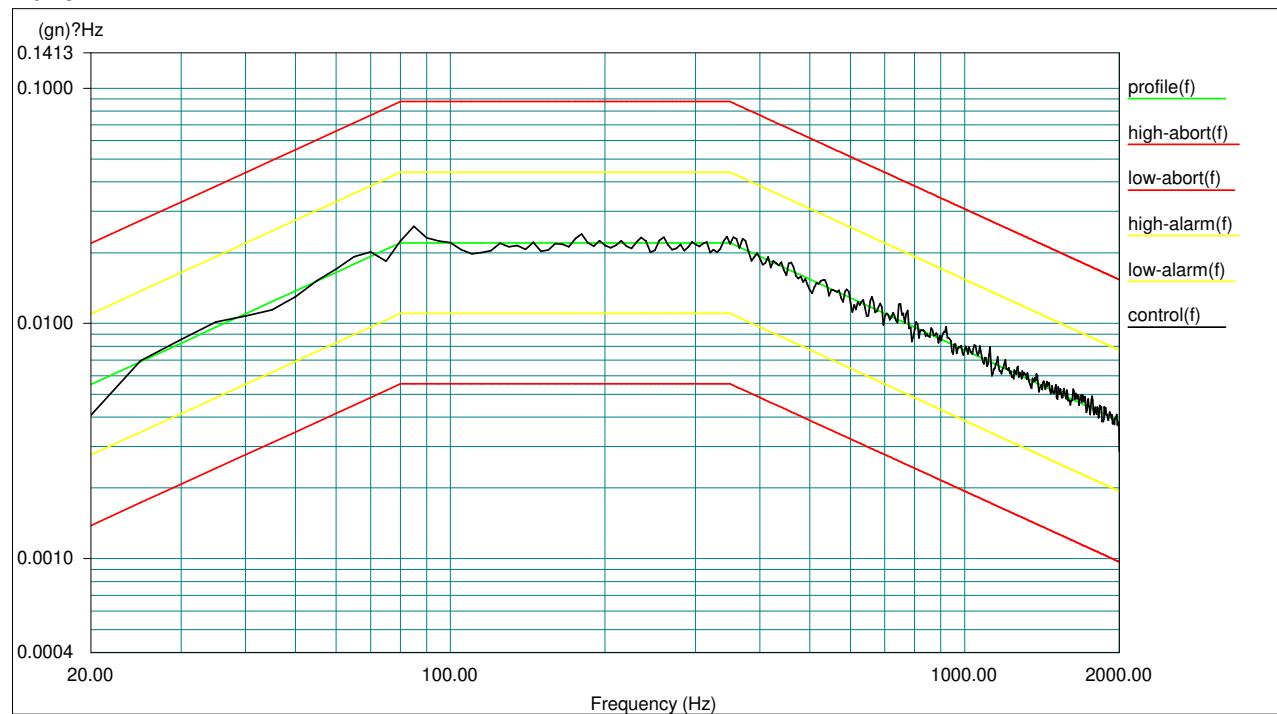
Data saved at 11:31:46 AM, Monday, December 15, 2025

Report created at 11:31:47 AM, Monday, December 15, 2025

-Test profile:

Sample 1

Y axis



Level: 100 %

Control RMS: 4.493557 gn

Full Level Elapsed Time: 00:10:00

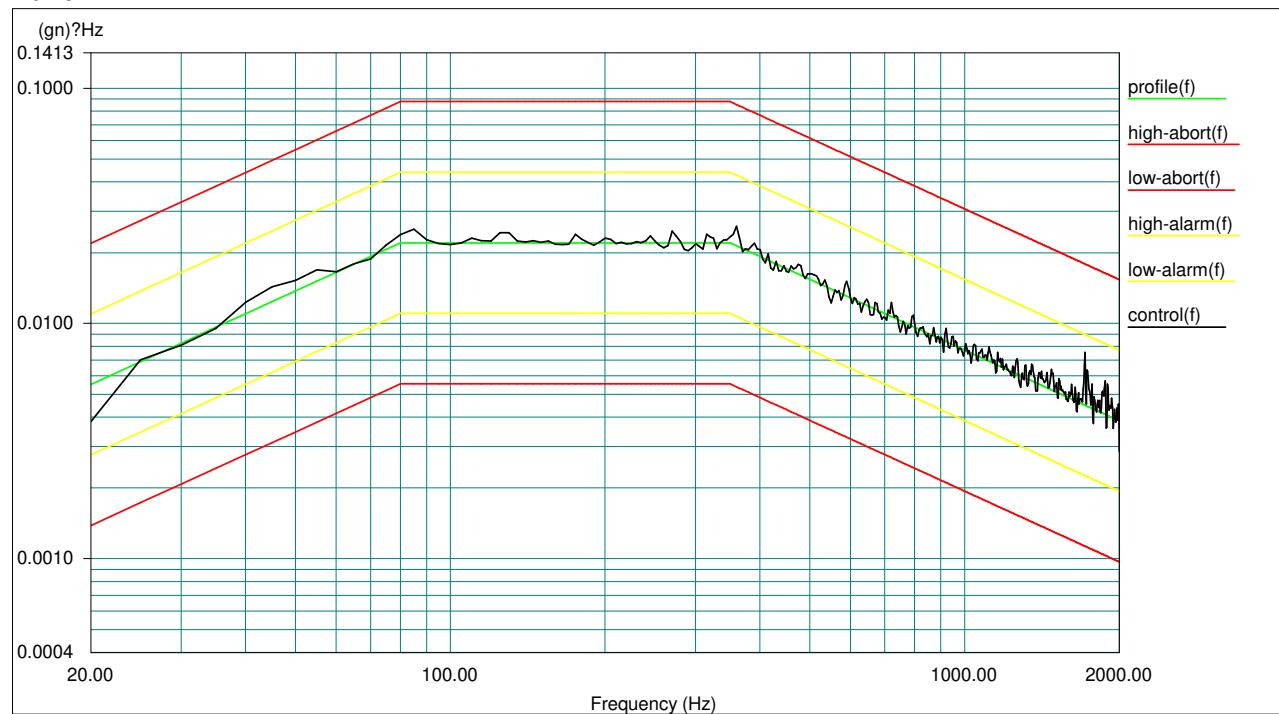
Data saved at 11:18:41 AM, Monday, December 15, 2025

Report created at 11:18:42 AM, Monday, December 15, 2025

-Test profile:

Sample 1

Z axis



Level: 100 %

Control RMS: 4.587714 gn

Full Level Elapsed Time: 00:10:00

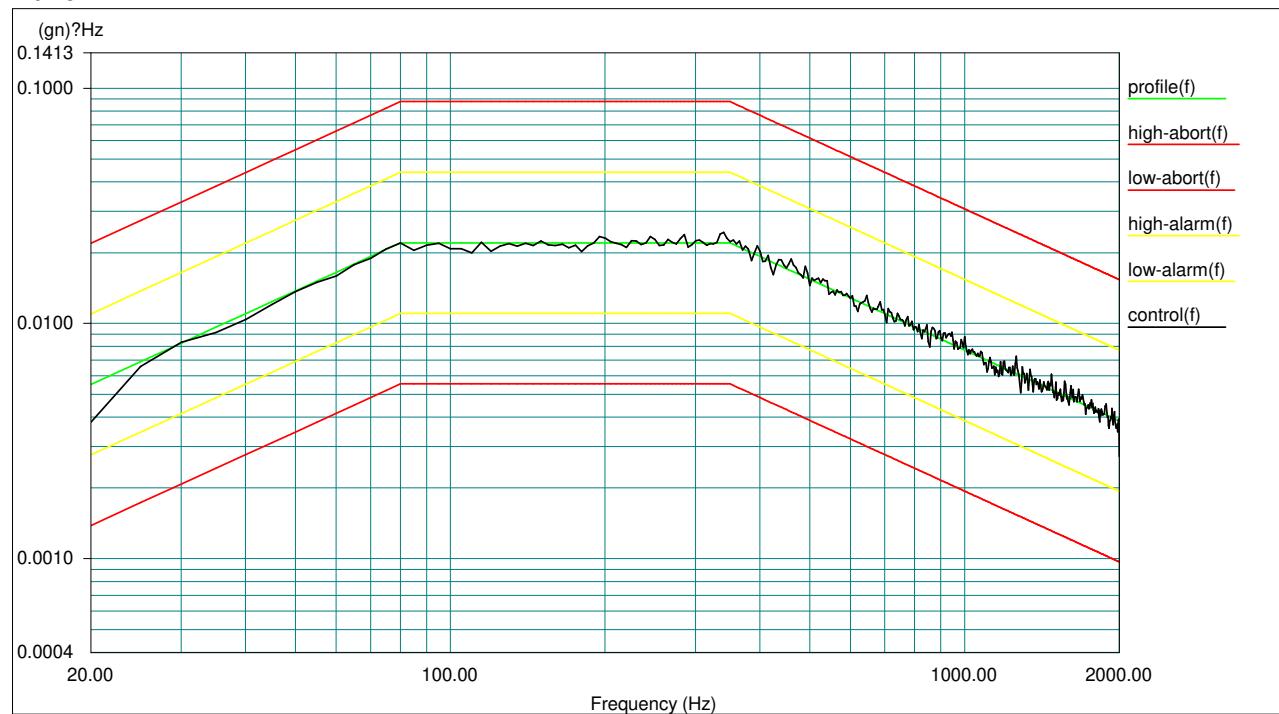
Data saved at 10:04:39 AM, Monday, December 15, 2025

Report created at 10:04:56 AM, Monday, December 15, 2025

-Test profile:

Sample 2

X axis



Level: 100 %

Control RMS: 4.511188 gn

Full Level Elapsed Time: 00:10:00

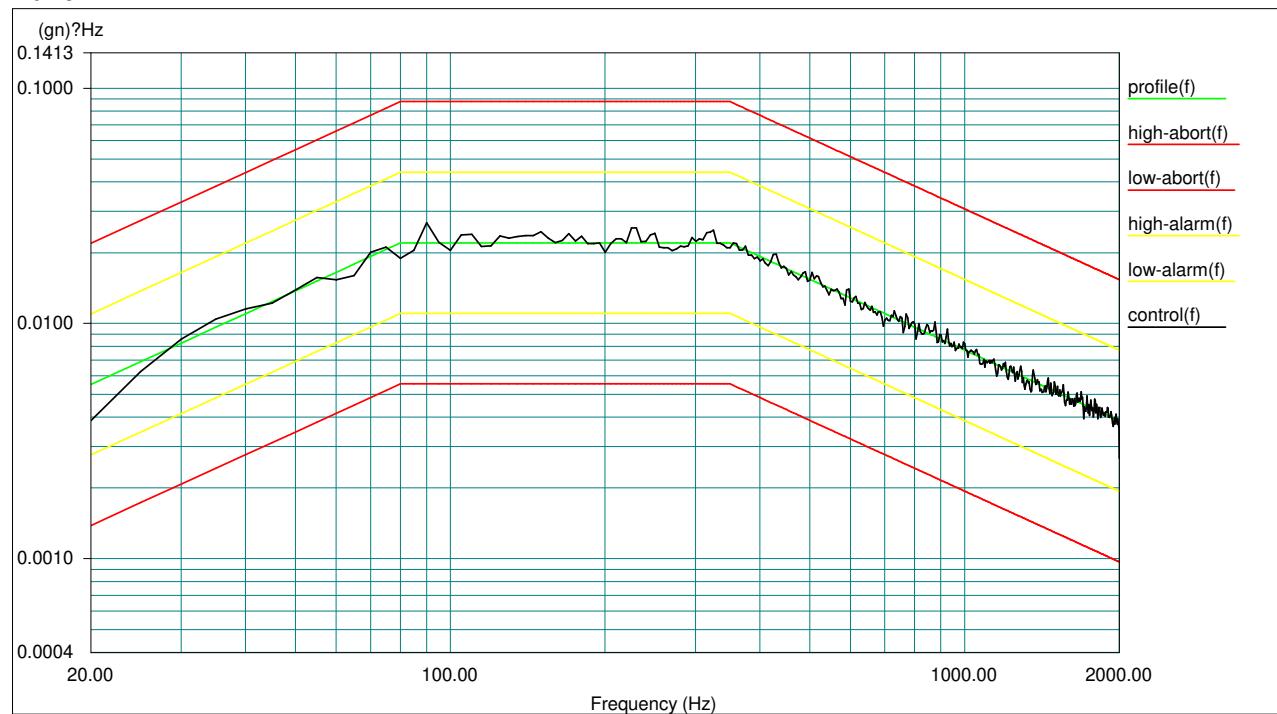
Data saved at 11:01:37 AM, Monday, December 15, 2025

Report created at 11:01:37 AM, Monday, December 15, 2025

-Test profile:

Sample 2

Y axis



Level: 100 %

Control RMS: 4.509637 gn

Full Level Elapsed Time: 00:10:00

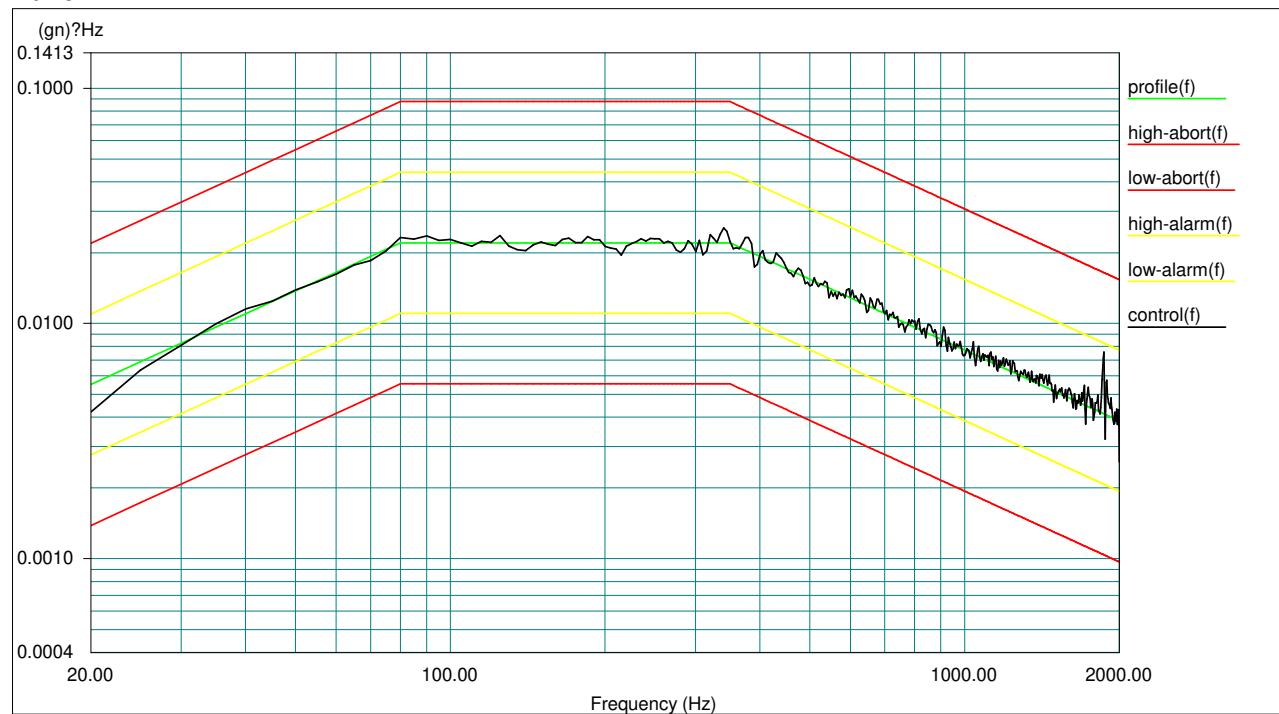
Data saved at 10:48:27 AM, Monday, December 15, 2025

Report created at 10:48:28 AM, Monday, December 15, 2025

-Test profile:

Sample 2

Z axis



Level: 100 %

Control RMS: 4.551728 gn

Full Level Elapsed Time: 00:10:00

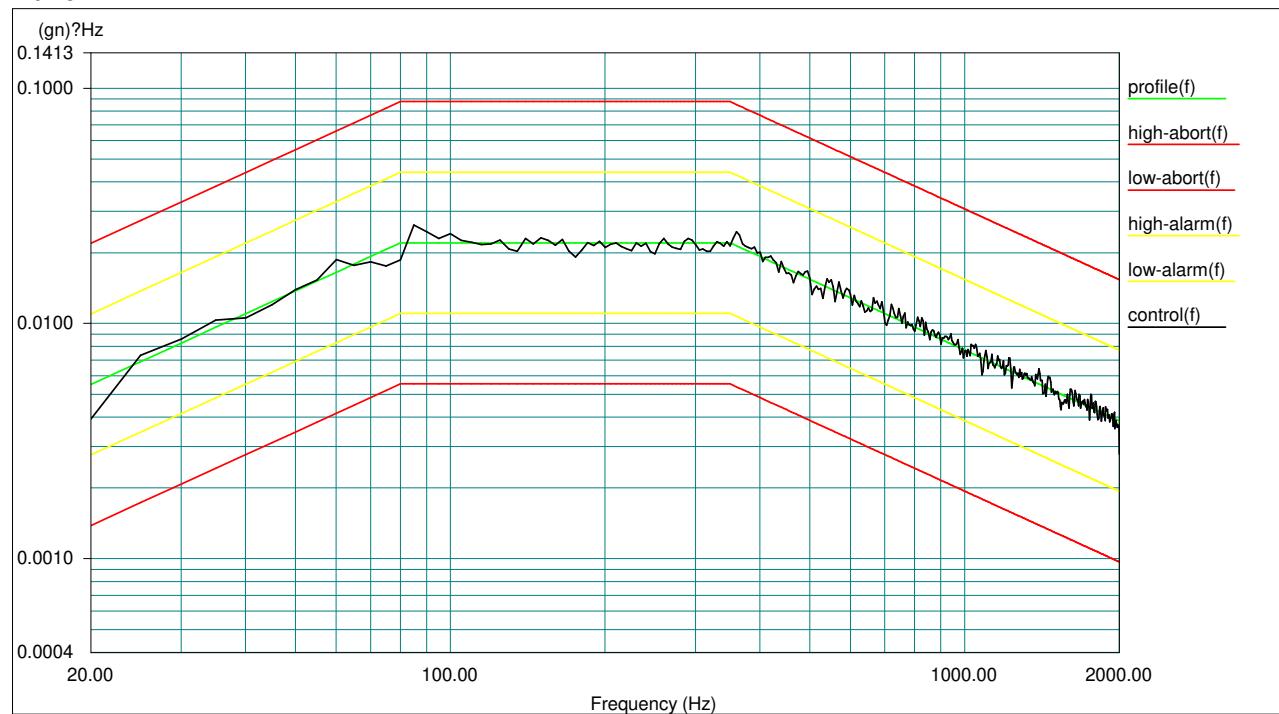
Data saved at 10:26:33 AM, Monday, December 15, 2025

Report created at 10:26:34 AM, Monday, December 15, 2025

-Test profile:

Sample 3

X axis



Level: 100 %

Control RMS: 4.507377 gn

Full Level Elapsed Time: 00:10:00

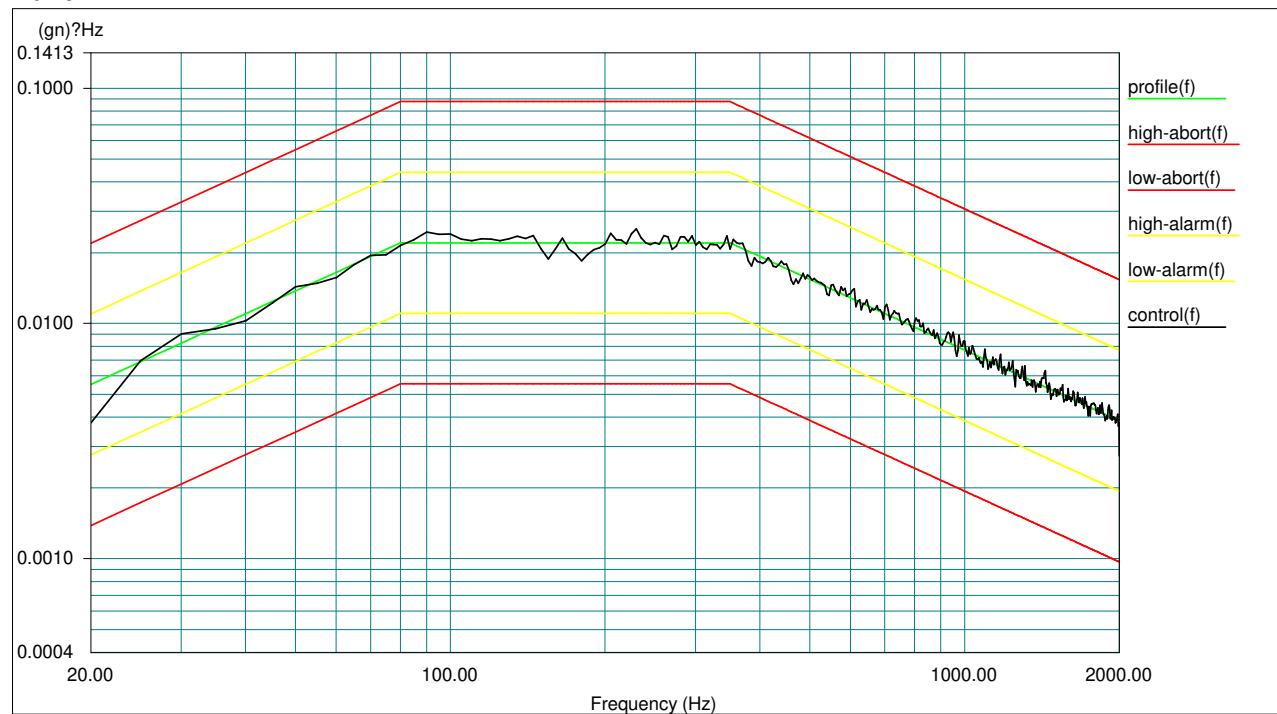
Data saved at 11:49:47 AM, Monday, December 15, 2025

Report created at 11:49:48 AM, Monday, December 15, 2025

-Test profile:

Sample 3

Y axis



Level: 100 %

Control RMS: 4.512209 gn

Full Level Elapsed Time: 00:10:00

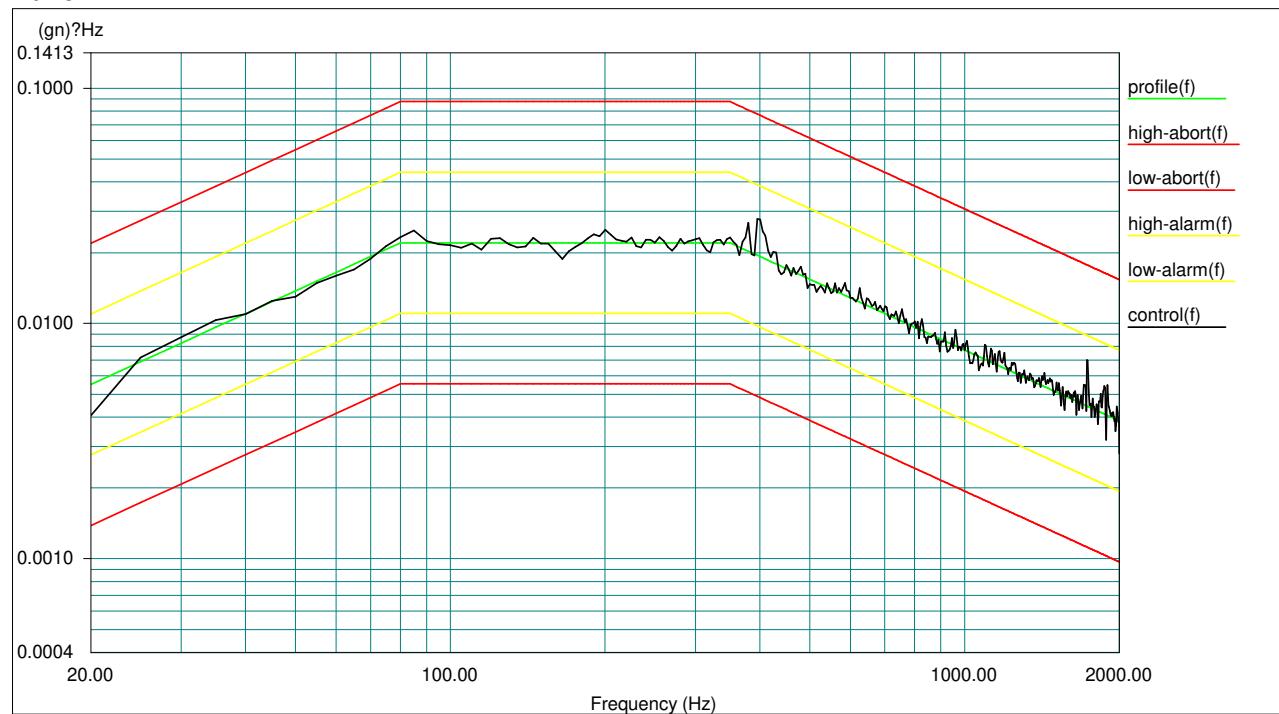
Data saved at 12:02:04 PM, Monday, December 15, 2025

Report created at 12:02:05 PM, Monday, December 15, 2025

-Test profile:

Sample 3

Z axis



Level: 100 %

Control RMS: 4.564398 gn

Full Level Elapsed Time: 00:10:00

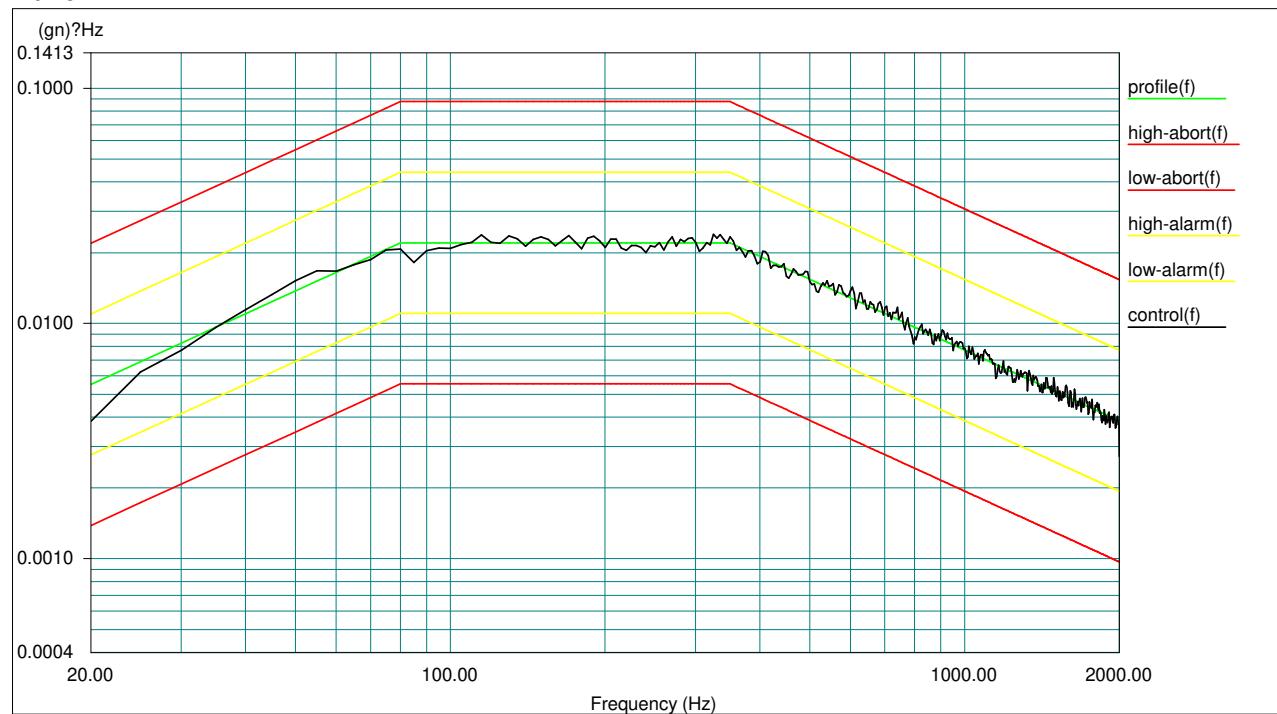
Data saved at 09:43:37 AM, Tuesday, December 16, 2025

Report created at 09:43:41 AM, Tuesday, December 16, 2025

-Test profile:

Sample 4

X axis



Level: 100 %

Control RMS: 4.506397 gn

Full Level Elapsed Time: 00:10:00

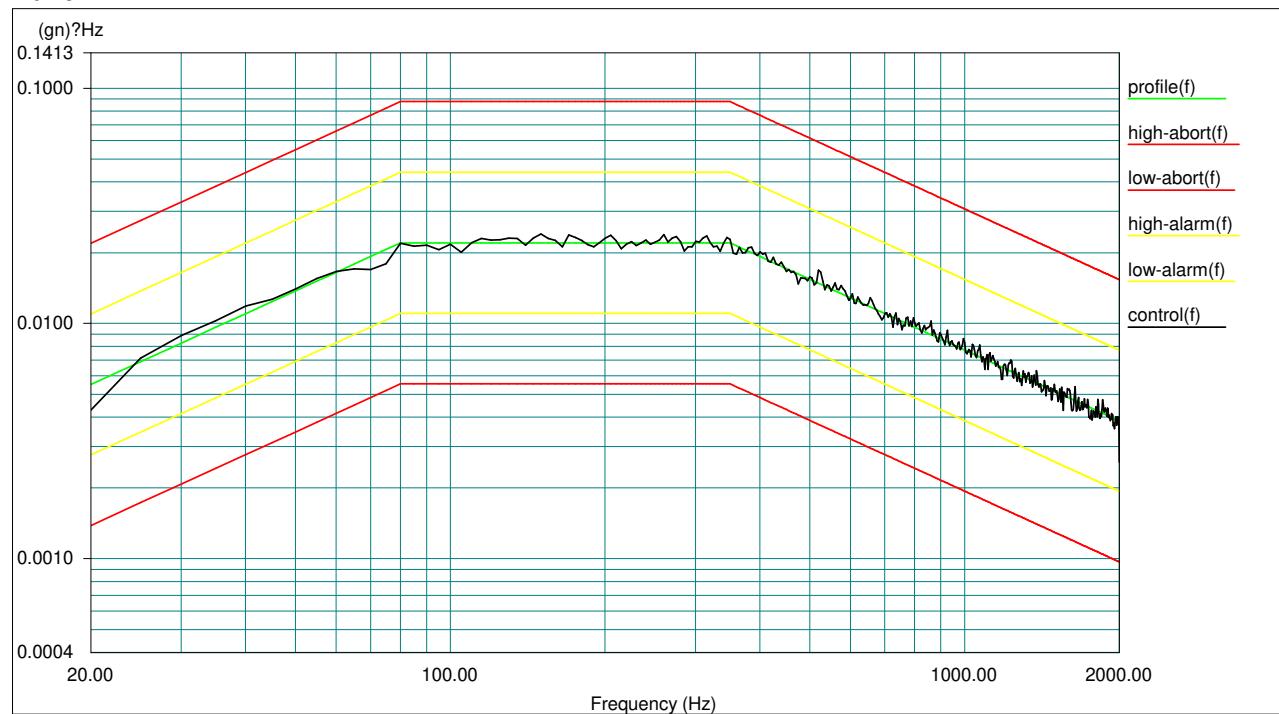
Data saved at 12:48:19 PM, Monday, December 15, 2025

Report created at 12:48:19 PM, Monday, December 15, 2025

-Test profile:

Sample 4

Y axis



Level: 100 %

Control RMS: 4.511955 gn

Full Level Elapsed Time: 00:10:00

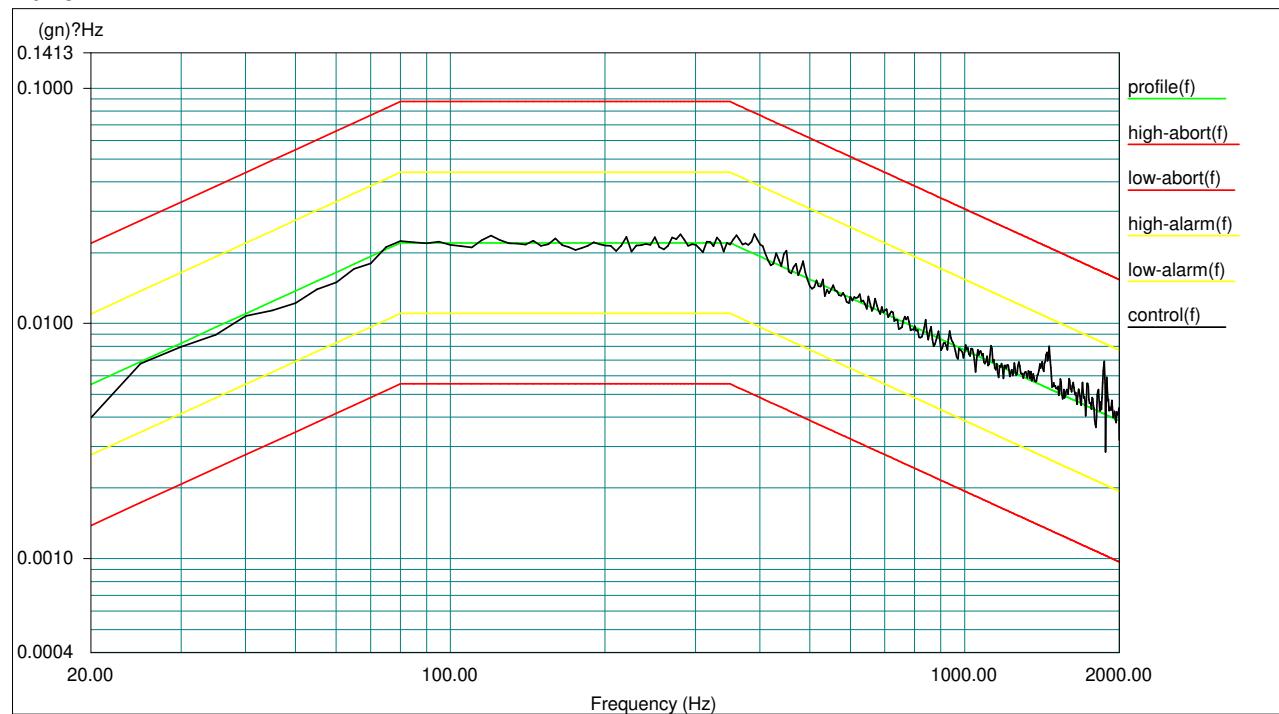
Data saved at 01:02:35 PM, Monday, December 15, 2025

Report created at 01:02:36 PM, Monday, December 15, 2025

-Test profile:

Sample 4

Z axis



Level: 100 %

Control RMS: 4.569703 gn

Full Level Elapsed Time: 00:10:00

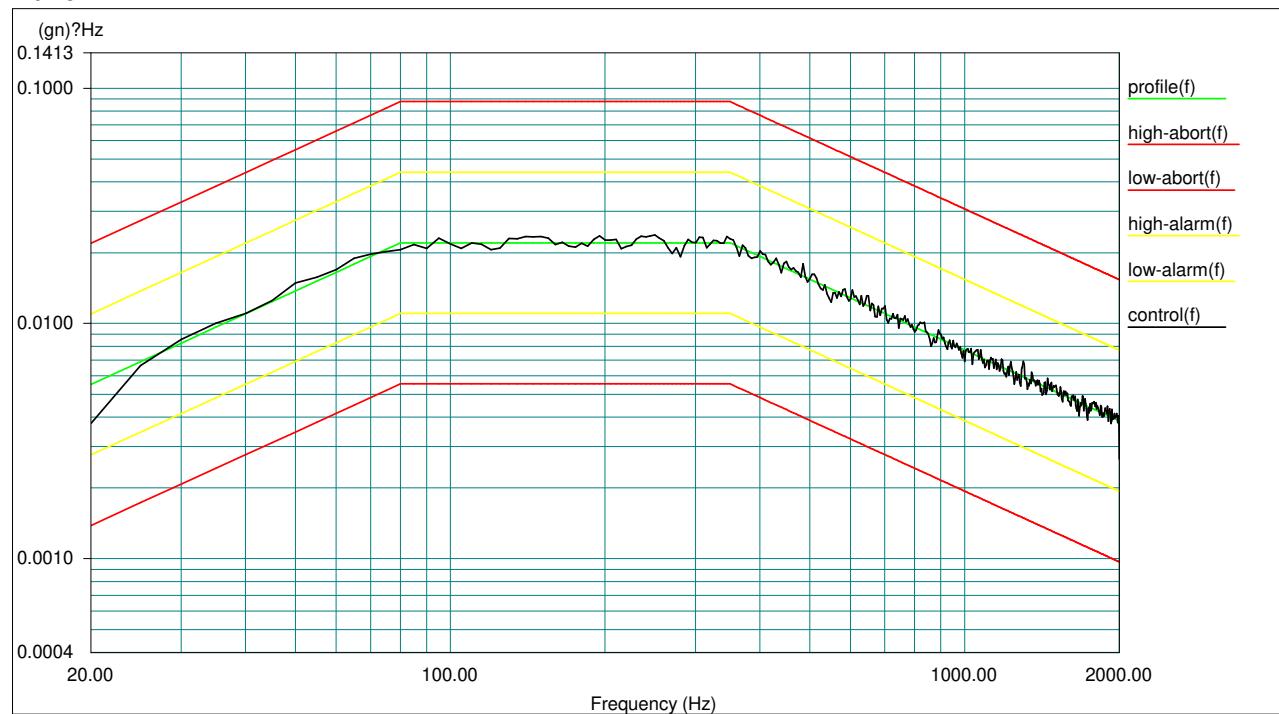
Data saved at 10:16:00 AM, Tuesday, December 16, 2025

Report created at 10:16:03 AM, Tuesday, December 16, 2025

-Test profile:

Sample 5

X axis



Level: 100 %

Control RMS: 4.507495 gn

Full Level Elapsed Time: 00:10:00

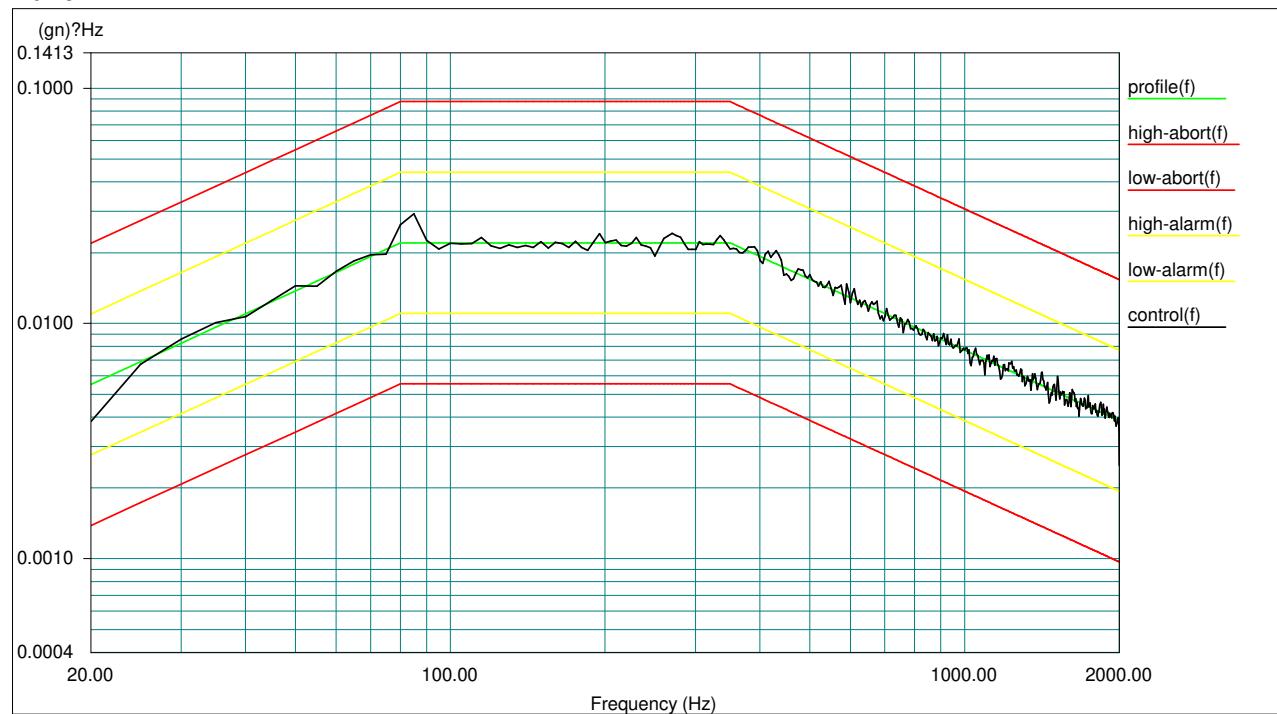
Data saved at 01:23:32 PM, Monday, December 15, 2025

Report created at 01:23:32 PM, Monday, December 15, 2025

-Test profile:

Sample 5

Y axis



Level: 100 %

Control RMS: 4.507572 gn

Full Level Elapsed Time: 00:10:00

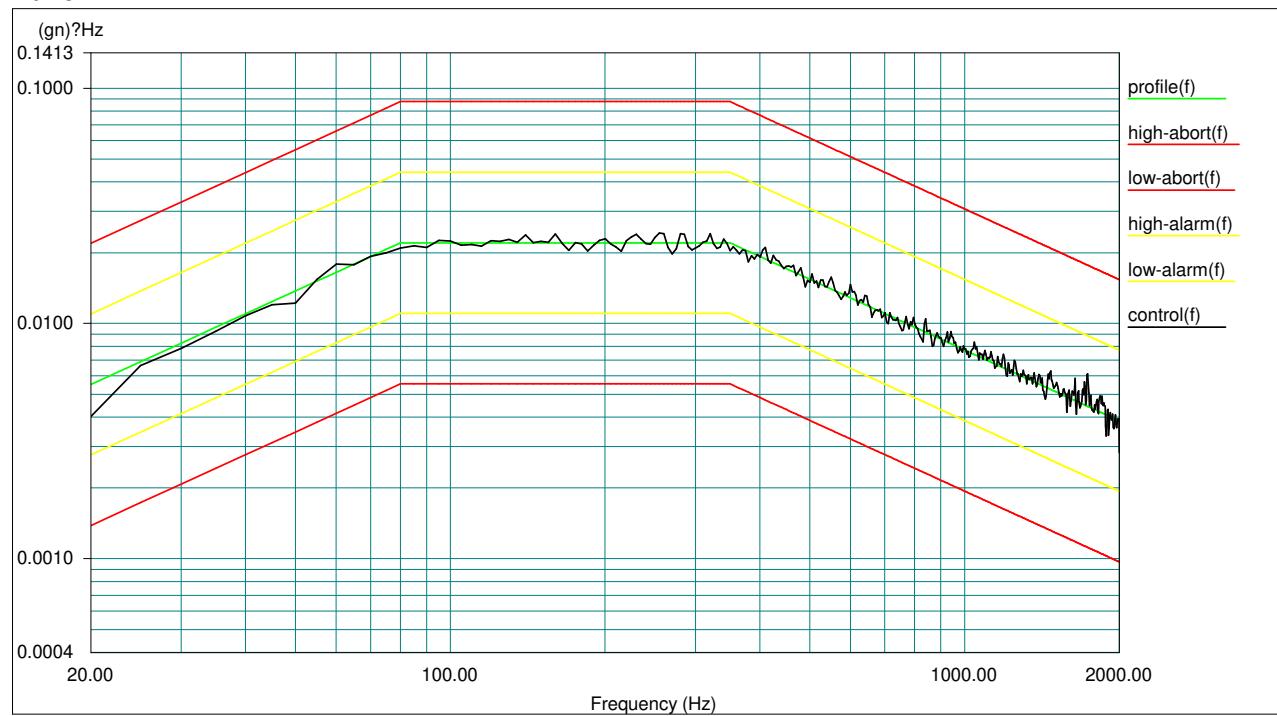
Data saved at 01:37:07 PM, Monday, December 15, 2025

Report created at 01:37:07 PM, Monday, December 15, 2025

-Test profile:

Sample 5

Z axis



Level: 100 %

Control RMS: 4.528567 gn

Full Level Elapsed Time: 00:10:00

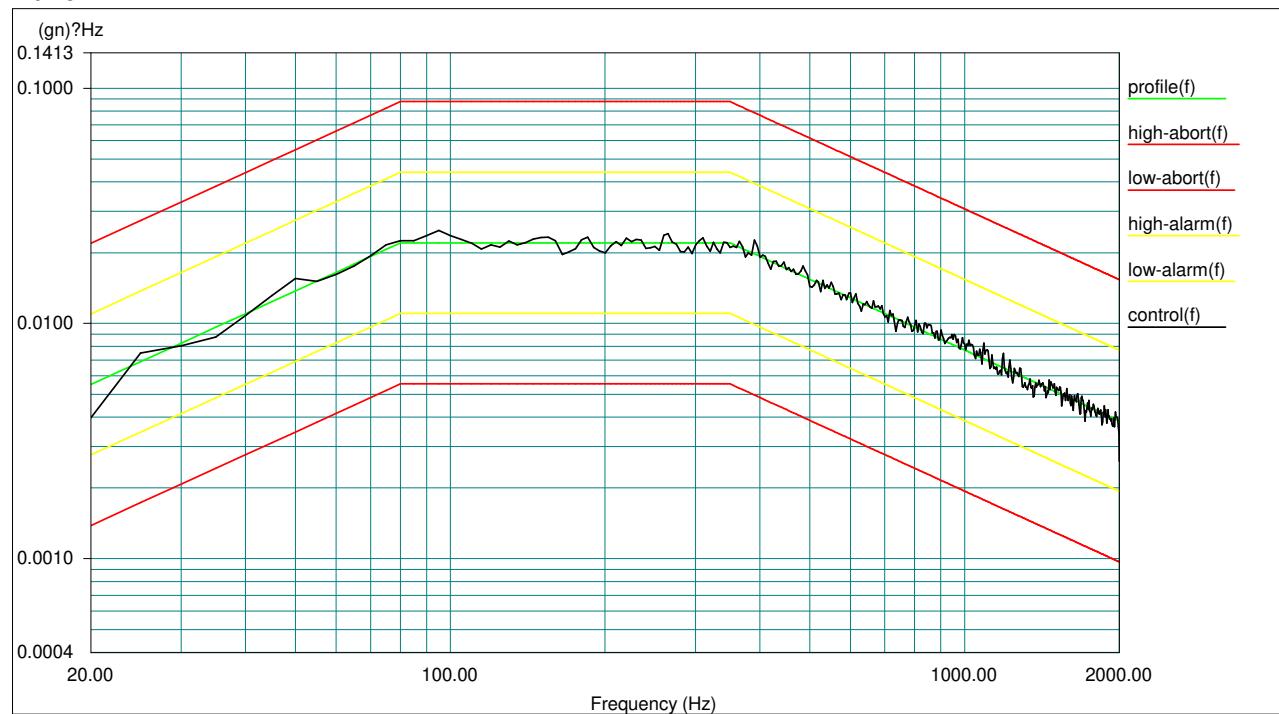
Data saved at 10:55:38 AM, Tuesday, December 16, 2025

Report created at 10:55:53 AM, Tuesday, December 16, 2025

-Test profile:

Sample 6

X axis



Level: 100 %

Control RMS: 4.503654 gn

Full Level Elapsed Time: 00:10:00

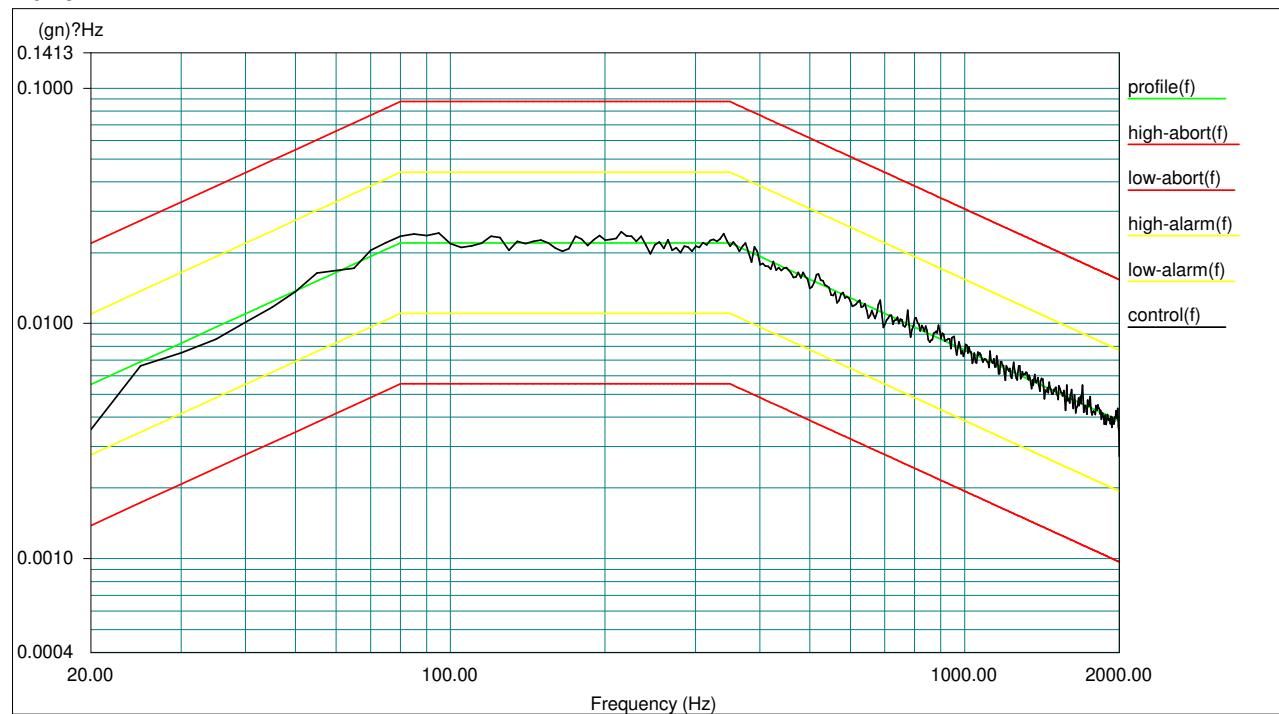
Data saved at 01:58:37 PM, Monday, December 15, 2025

Report created at 01:58:37 PM, Monday, December 15, 2025

-Test profile:

Sample 6

Y axis



Level: 100 %

Control RMS: 4.494485 gn

Full Level Elapsed Time: 00:10:00

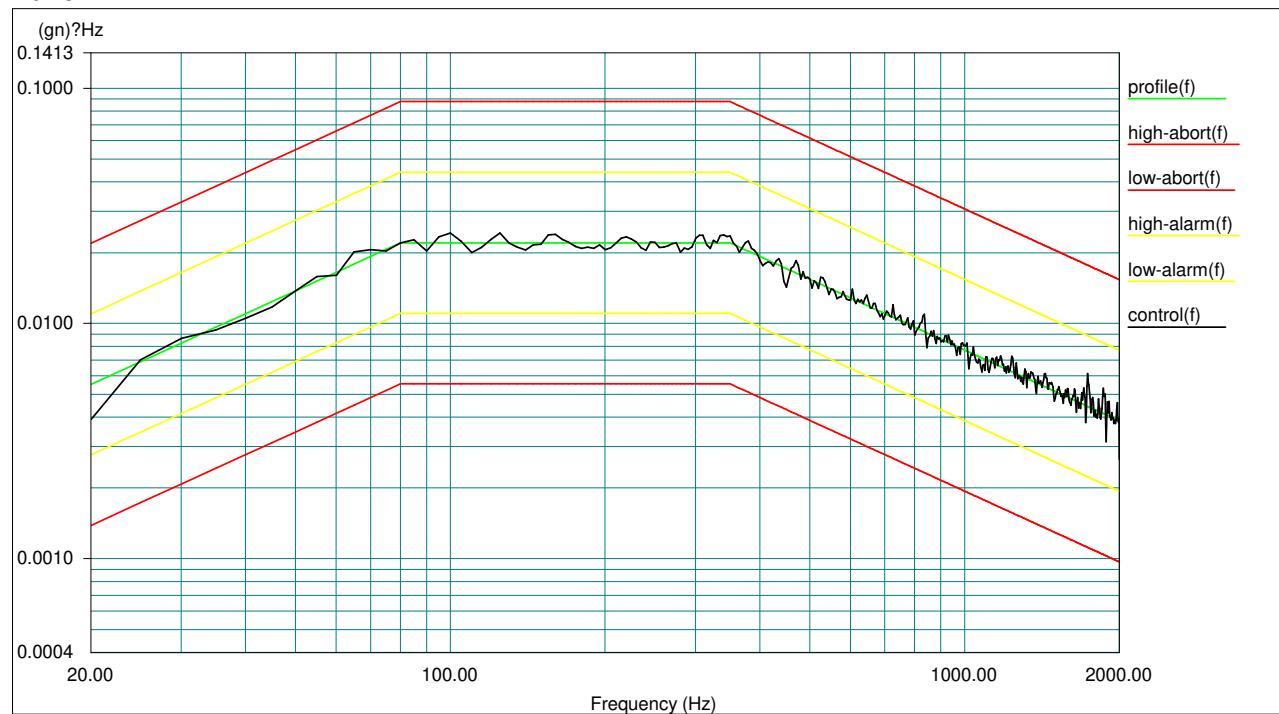
Data saved at 02:12:31 PM, Monday, December 15, 2025

Report created at 02:12:32 PM, Monday, December 15, 2025

-Test profile:

Sample 6

Z axis



Level: 100 %

Control RMS: 4.520513 gn

Full Level Elapsed Time: 00:10:00

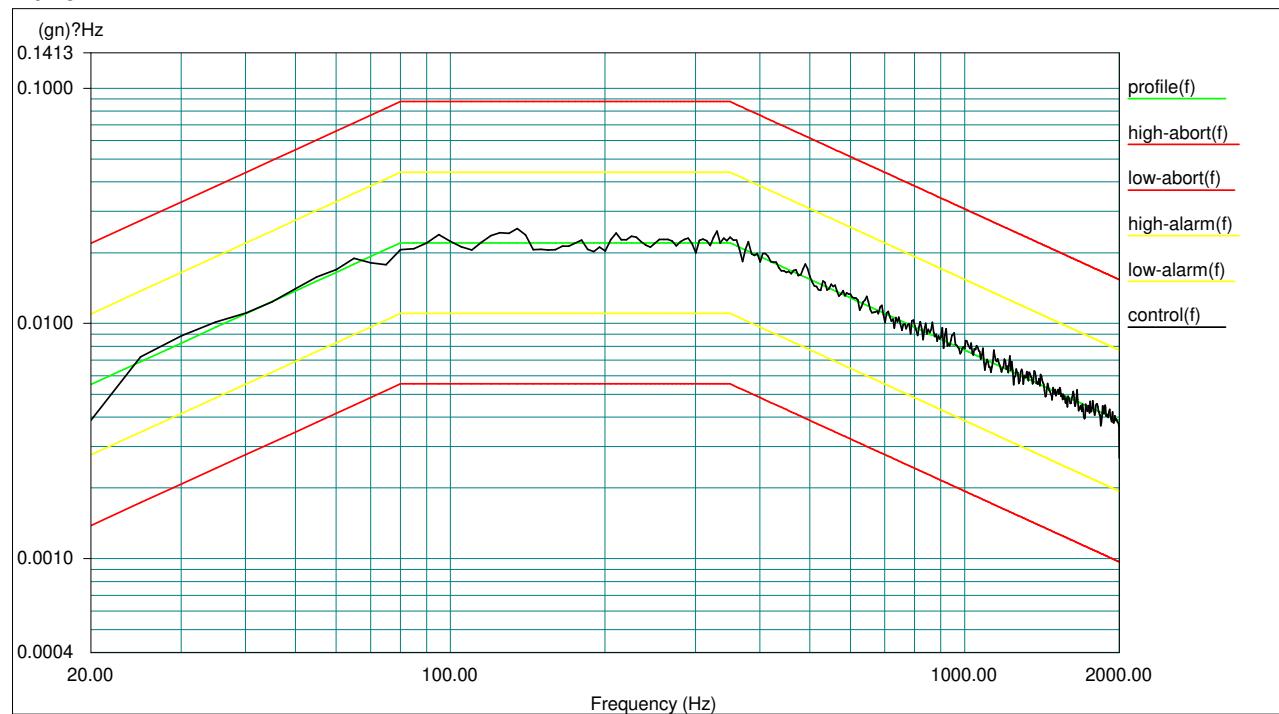
Data saved at 11:30:09 AM, Tuesday, December 16, 2025

Report created at 11:30:12 AM, Tuesday, December 16, 2025

-Test profile:

Sample 7

X axis



Level: 100 %

Control RMS: 4.515185 gn

Full Level Elapsed Time: 00:10:00

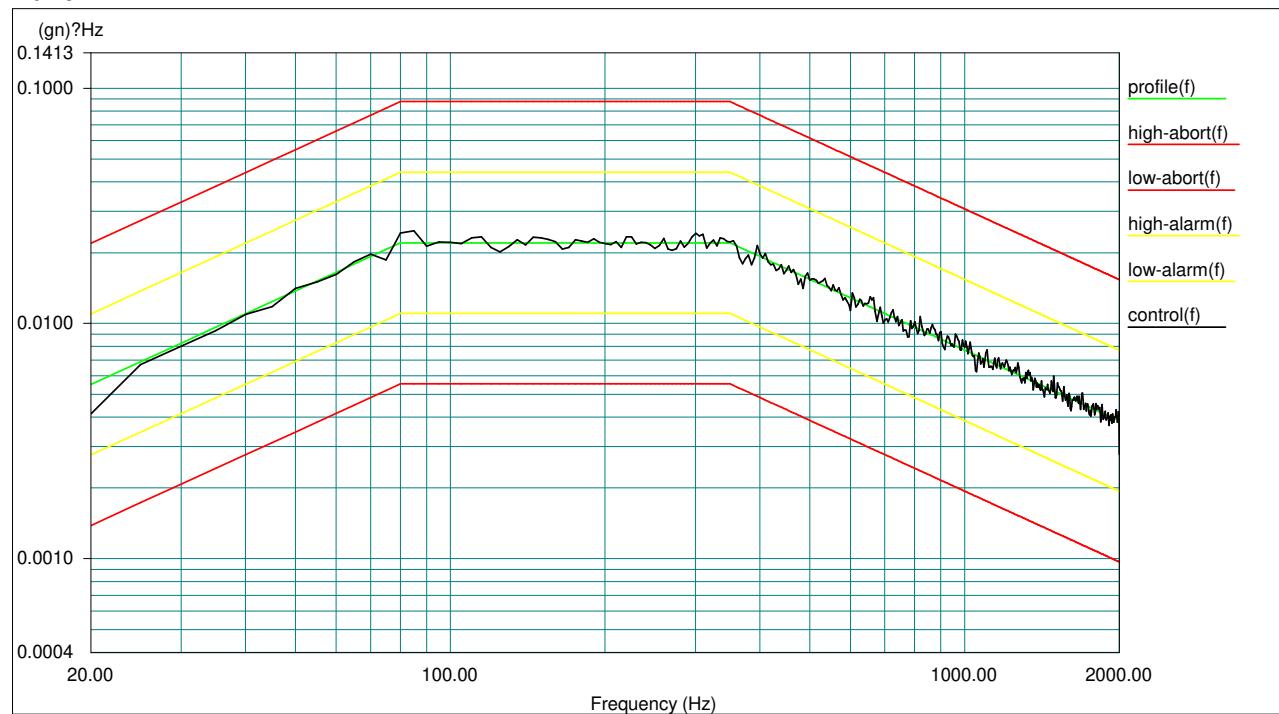
Data saved at 02:37:11 PM, Monday, December 15, 2025

Report created at 02:37:18 PM, Monday, December 15, 2025

-Test profile:

Sample 7

Y axis



Level: 100 %

Control RMS: 4.500610 gn

Full Level Elapsed Time: 00:10:00

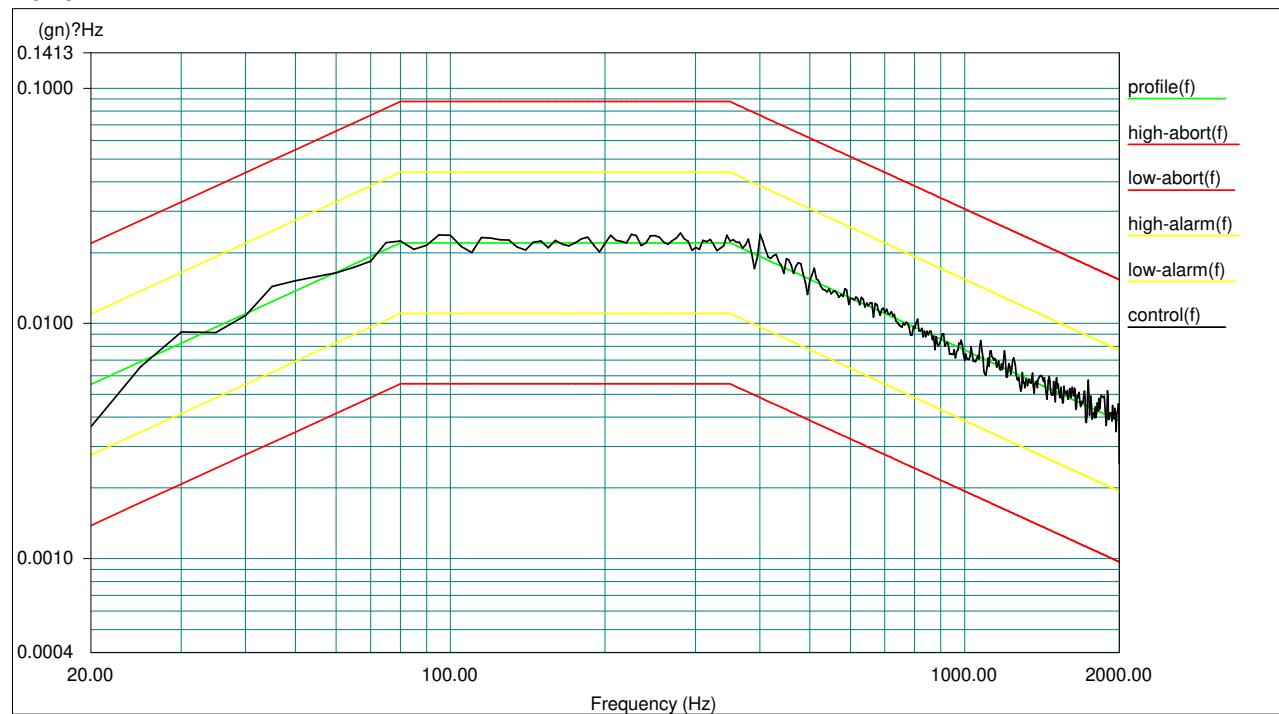
Data saved at 02:51:20 PM, Monday, December 15, 2025

Report created at 02:51:21 PM, Monday, December 15, 2025

-Test profile:

Sample 7

Z axis



Level: 100 %

Control RMS: 4.528353 gn

Full Level Elapsed Time: 00:10:00

Data saved at 12:01:33 PM, Tuesday, December 16, 2025

Report created at 12:01:36 PM, Tuesday, December 16, 2025

## Temperature Cycle Test – DATA SHEET

### Laboratory Ambiance Condition:

Temperature : 15 ~ 35 °C  
Humidity : 25 ~ 75 %RH

### Peripheral Setup Diagram:

-Sample size: 7 units

-Sample photo before the test:



-Setup photo:



### Test Condition:

- Testing temperature: -15 °C and 63 °C
- Duration at each severe condition: 30 minutes
- Number of cycle: 10 cycles
- First and last cycles should be done with power on as such:  
Lower temp to -15C, and after stabilizing at -15C for 30 mins, run ATP.  
Raise temp to +63C and after stabilizing at +63C for 30 mins, run ATP.

### Test Procedure:

- Check the samples' appearance before test.
- Put the samples into chamber and set up testing condition.
- After testing, take out samples from chamber and put them in the storage area.
- Check the temperature record.
- Observe the samples and record for any visible change after testing.

**Summary:**

- No visible damage was found on sample appearance after the test.
- All ATP functional tests running normally.
- Sample photo after the test:



**-Test profile:**

