PHANTEKS

# Phanteks Eclipse P600s (With Soundproof Panels)

Lab ID PHCAS00079

Report Date: Mar 26, 2020

Scheme: DELTA

Noise Rating 


DELTA is a Cybenetics rating. It is not part of our ISO/IEC 17065 certification schemes and is outside our accreditation.

**Level assigned with the Chassis Test Protocol Revision 2.0 limits**

This chassis was tested before October 2026 with the earlier test procedure. Its result, 6.3 dB, is the measured pink-noise difference of that evaluation and is unchanged. In October 2026 its level was assigned again with the limits of Chassis Test Protocol Revision 2.0: A+ from 8 dB, A from 5 dB, Standard from 2 dB. The earlier procedure is not identical to the Revision 2.0 procedure, so this result is indicative when compared with chassis tested under Revision 2.0. Originally published level: A+.



Aristeidis Bitziopoulos, Certification Body General Manager

## General Information

### Test Equipment

| | |
|---|---|
| Test Environment | Hemi-Anechoic Chamber with 6 dB(A) noise floor |
| Conditions | 25(±2) degrees Celsius, 40-50% humidity |

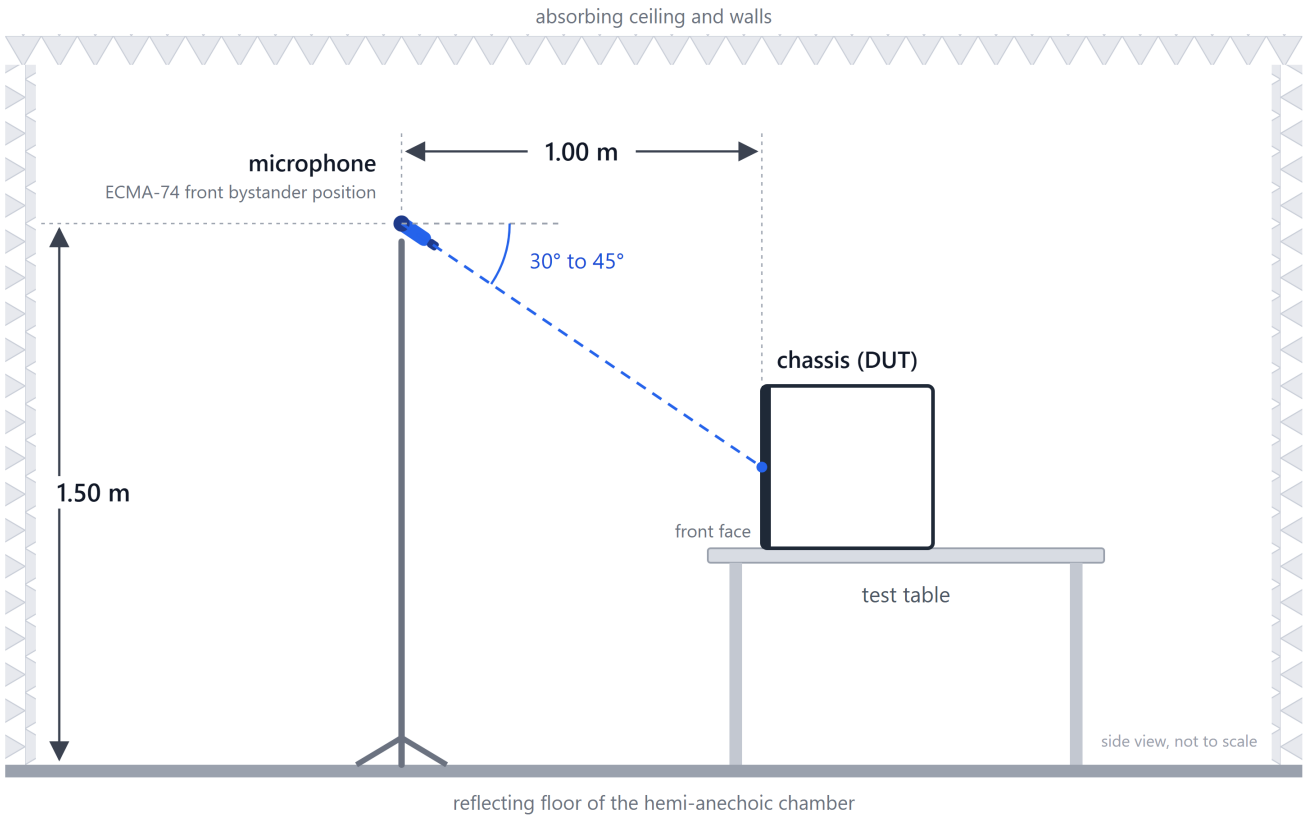
| | |
|---|---|
| Sound Analyzer | Bruel & Kjaer 2270-S G4 & 2250-L G4 |
| Microphone | Bruel & Kjaer Type 4955-A |
| Mic Calibrator | Bruel & Kjaer Type 4231 |
| Data Logger | Picoscope TC-08 |

## Technical Specifications Table

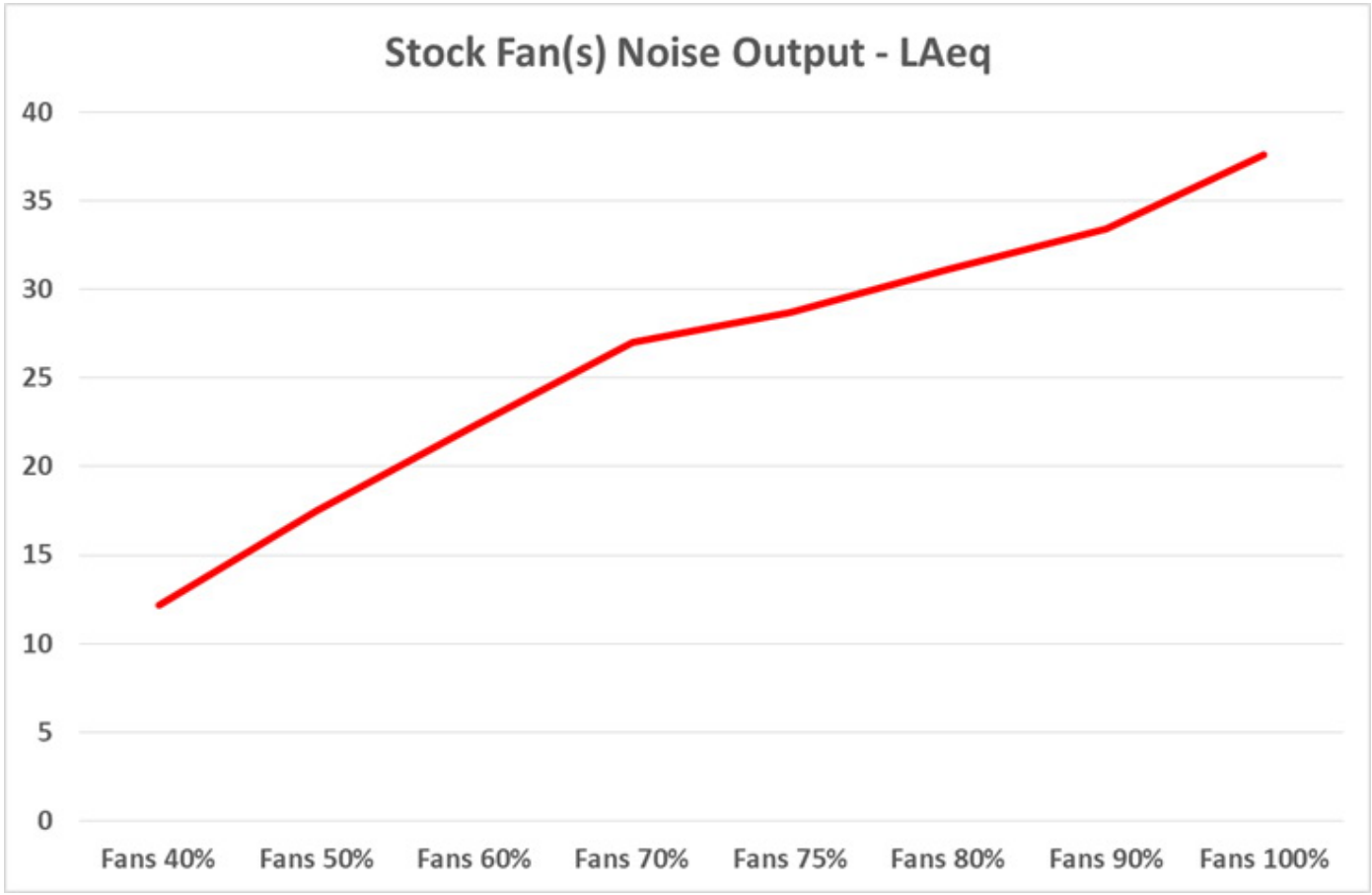
| | |
|---|---|
| Brand | Phanteks |
| Product Name | Eclipse P600S |
| Type | Mid Tower |
| Dimensions (LxWxH) | 510 x 240 x 520mm |
| Motherboard Support | Mini-ITX, Micro-ATX, ATX, E-ATX |
| Removable Motherboard Tray | No |
| Front Door/Cover | Yes |
| Materials Body | Steel, Plastic, Sound Dampening Material |
| Materials Side Panel | Left:Sound-Dampened Steel<br>Right: Sound-Dampened Steel |
| Expansion Slots | 7x (plus three vertical) |
| Drive Bays | 5.25": -<br>3.5 " : 10x Internal (4 included)<br>2.5" :3x Internal (3 included) |
| I/O Panel | 1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, 1x audio jack, 1x mic jack, 1x Power Button, 1x Reset Button |
| Pre-installed Fan(s) | Front: 2x 140mm<br>Rear: 1x 140mm<br>Top: - |
| Fan Support | Front: 3x 120mm / 3x 140mm<br>Top: 3x 120mm / 2x 140mm<br>Rear: 1x 120mm / 1x 140mm |
| Fan Bearing Type | no info |
| Fan Power Connector | 3-Pin |
| Fan Controller | Yes |
| Radiator Support | Front: 120/140/240/280/360/420mm<br>Top: 120/140/240/280/360mm<br>Rear: 120/140mm |
| CPU Cooler Height (Max) | 190mm |

| | |
|---|---|
| VGA Length (Max) | 435mm |
| PSU Length (Max) | 195mm (with all 3.5" bays) / 250mm (with one 3.5" bay) |
| Behind MB Tray Clearance/Cable Management Support | 18-27mm |
| Dust Filters | Top, Front, Bottom |
| PSU Support | Bottom Mount, ATX |
| Weight | 12.1 kg |
| Warranty | 5-years |

## Noise Measurements Test Set Up



## Stock Fan(s) Noise Output – LAeq

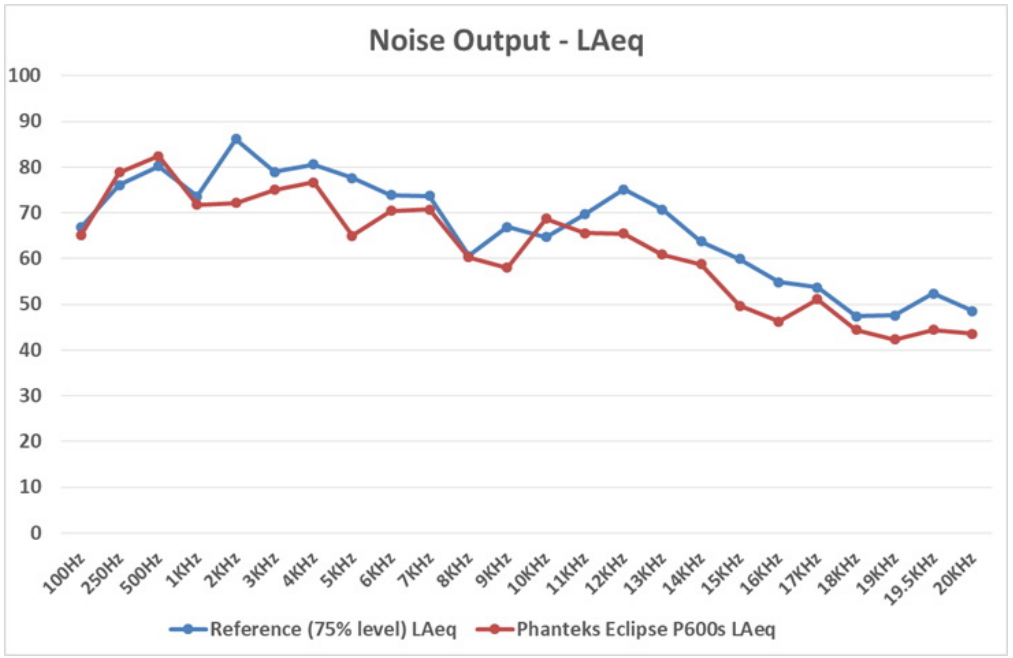



**INFO**

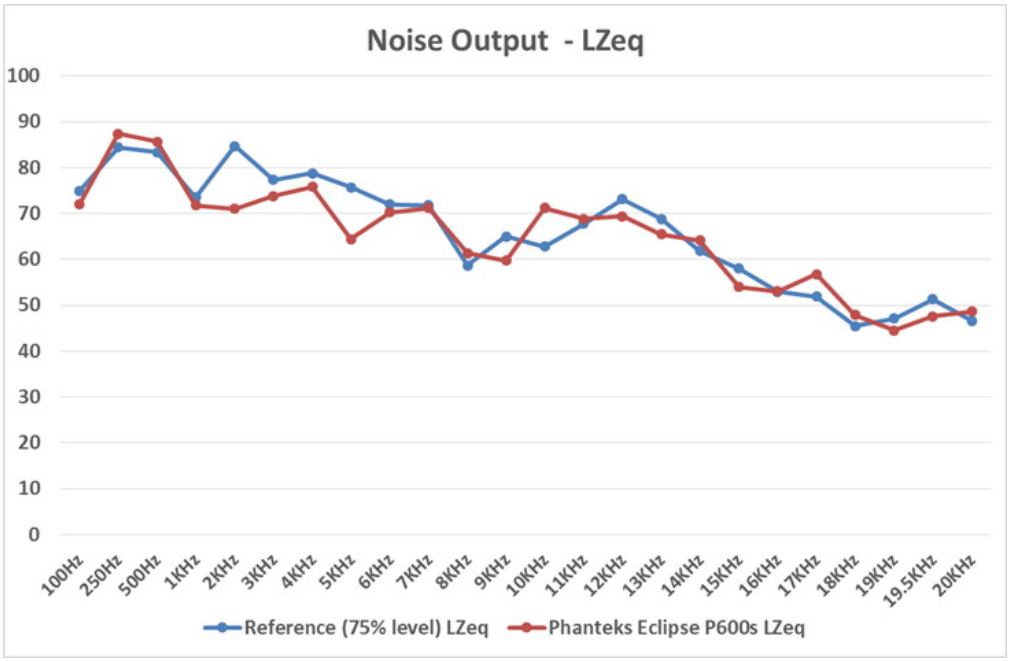
Stock Fan Noise Output from 40% to 100%

## Noise Output

**LAeq**

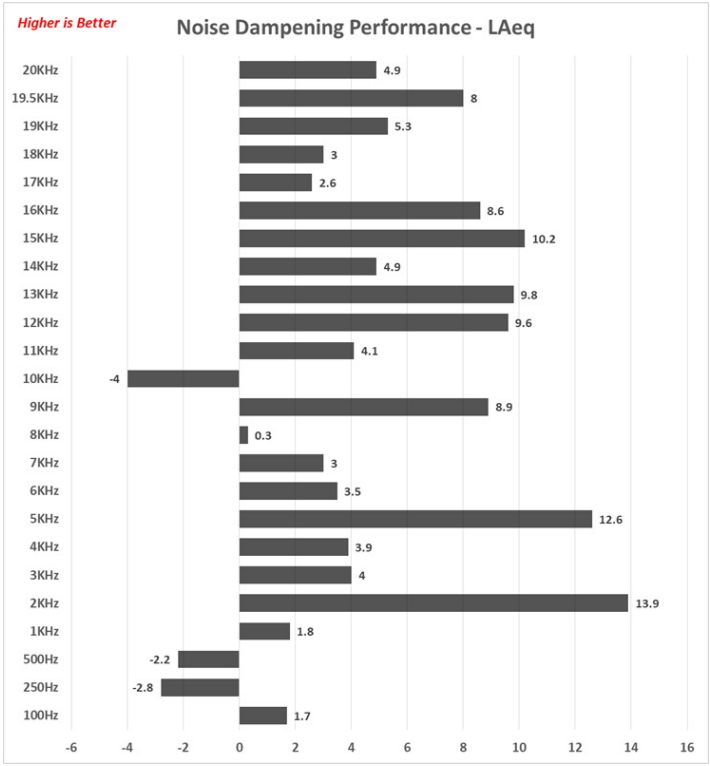



**LZeq**

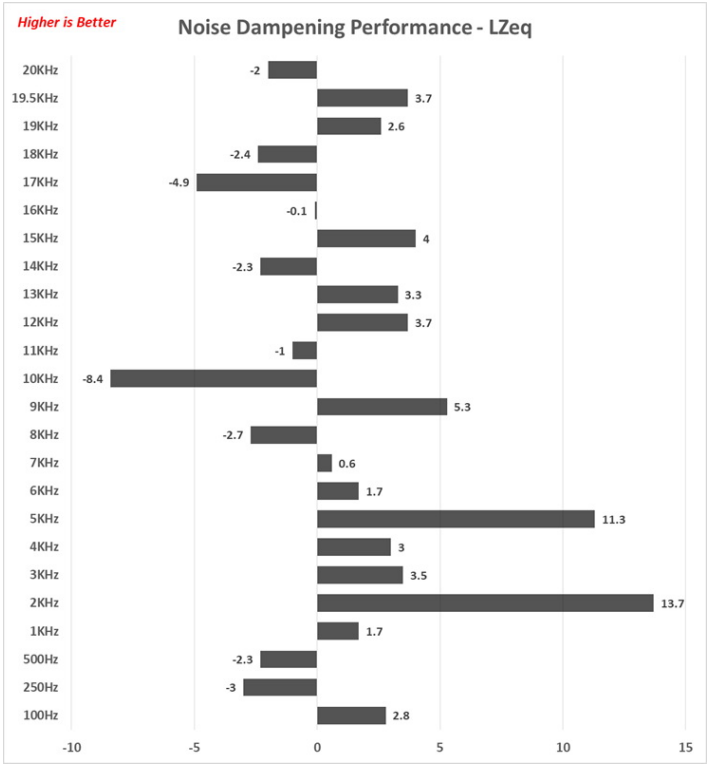


# Noise Dampening Performance – Test Tones

## LAeq

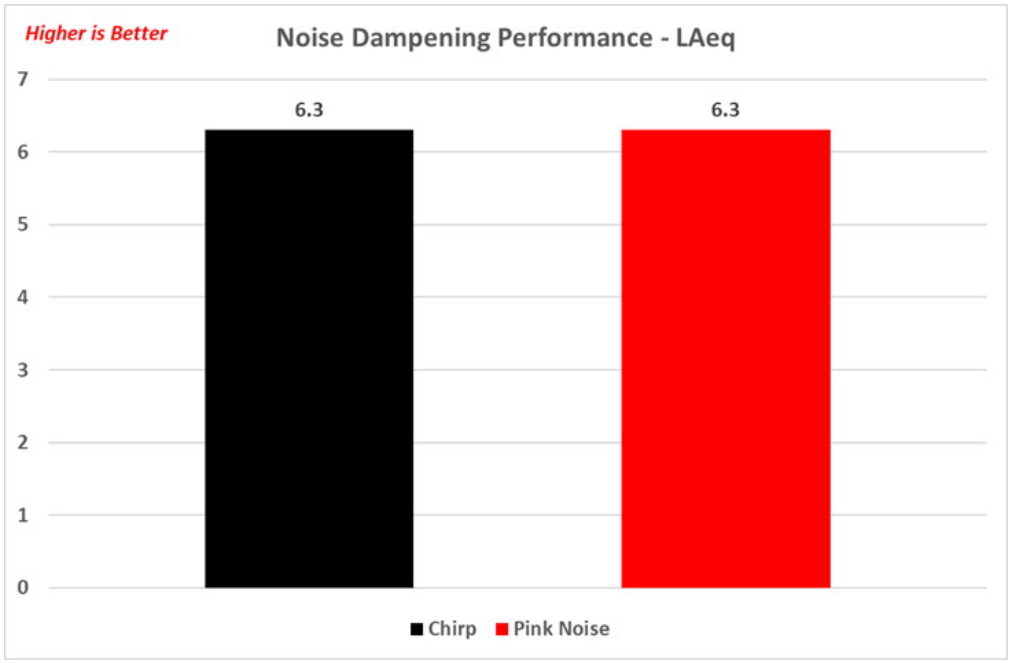



## LZeq

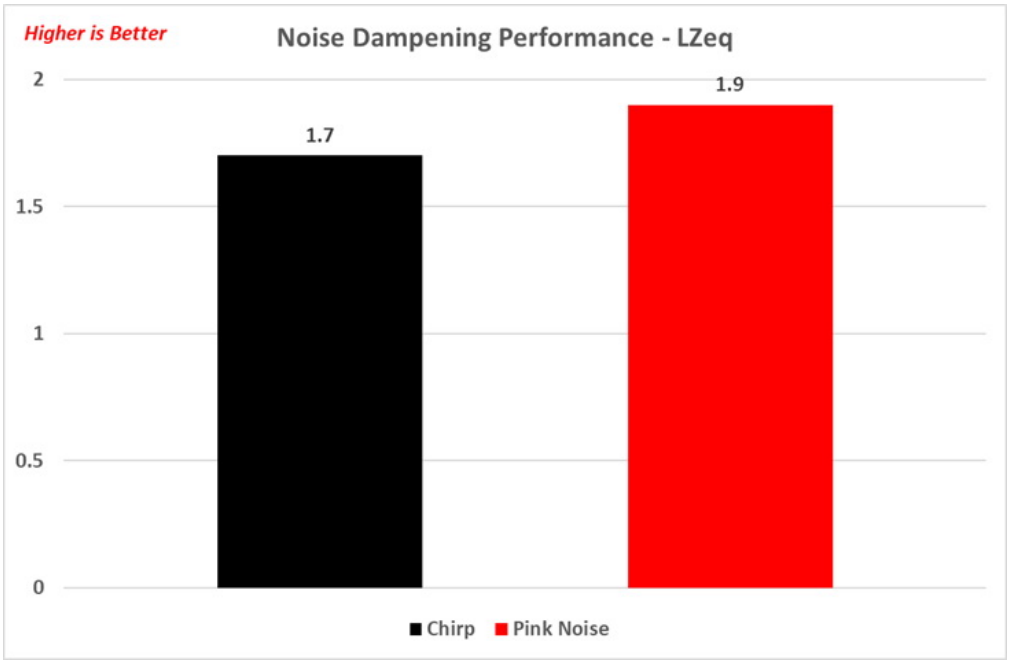


## Noise Dampening Performance – Pink & Chirp

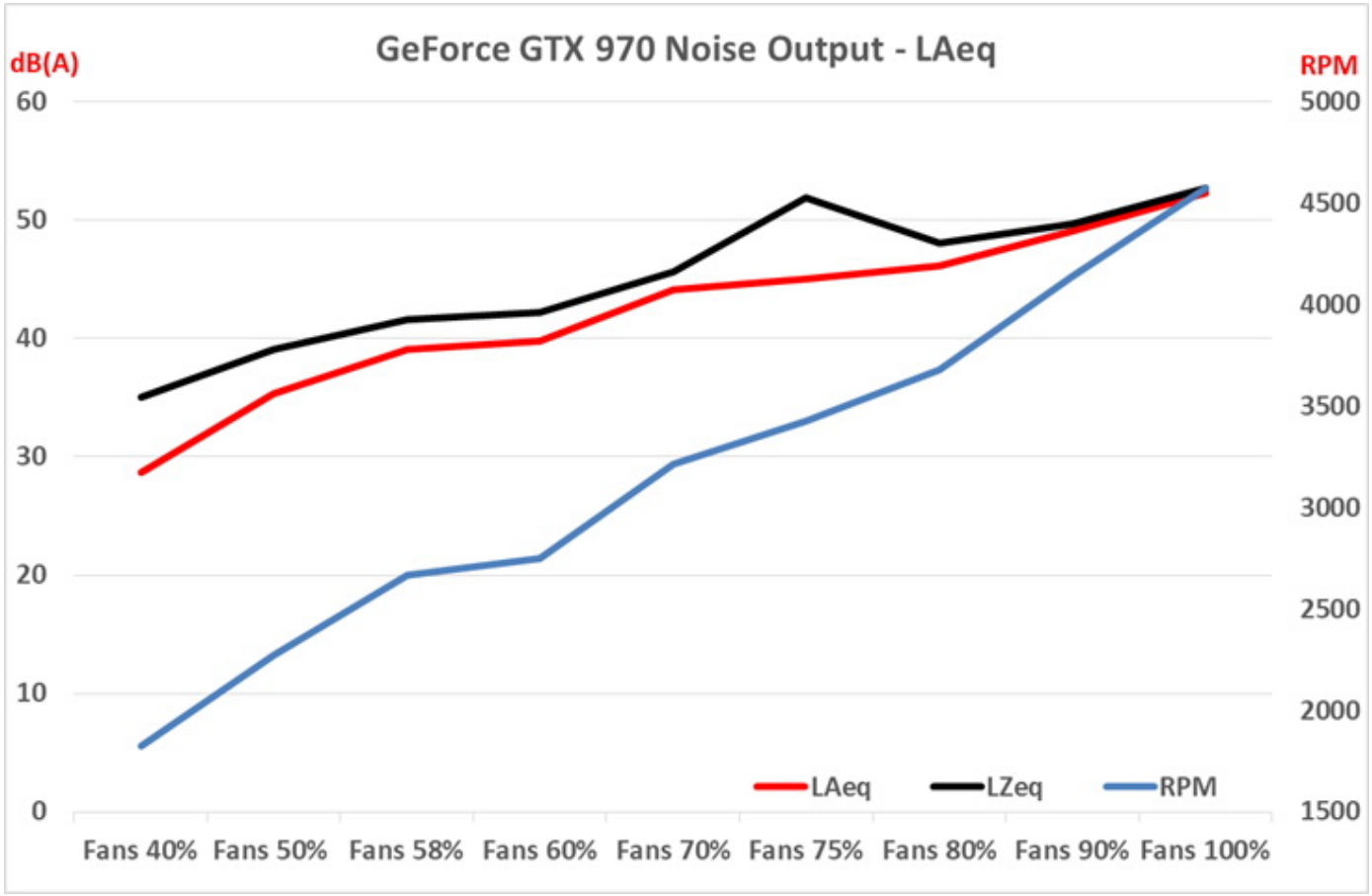
**LAeq**




**LZeq**



## GPU Fan(s) Noise Output – Laeq




**INFO**

NVIDIA GeForce GTX 970 Noise Output from 40% to 100% Fan Speed

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Case Photo



Case Photo #2

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

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