

PHANTEKS**Phanteks Eclipse P600s (With Soundproof Panels)**

Lab ID	PHCAS00079
Report date	Mar 26, 2020

Noise Rating

**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+.

A handwritten signature in blue ink, appearing to read 'Aristeidis Bitziopoulos'.

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	Brüel & Kjær 2270-S G4 & 2250-L G4
Microphone	Brüel & Kjær Type 4955-A

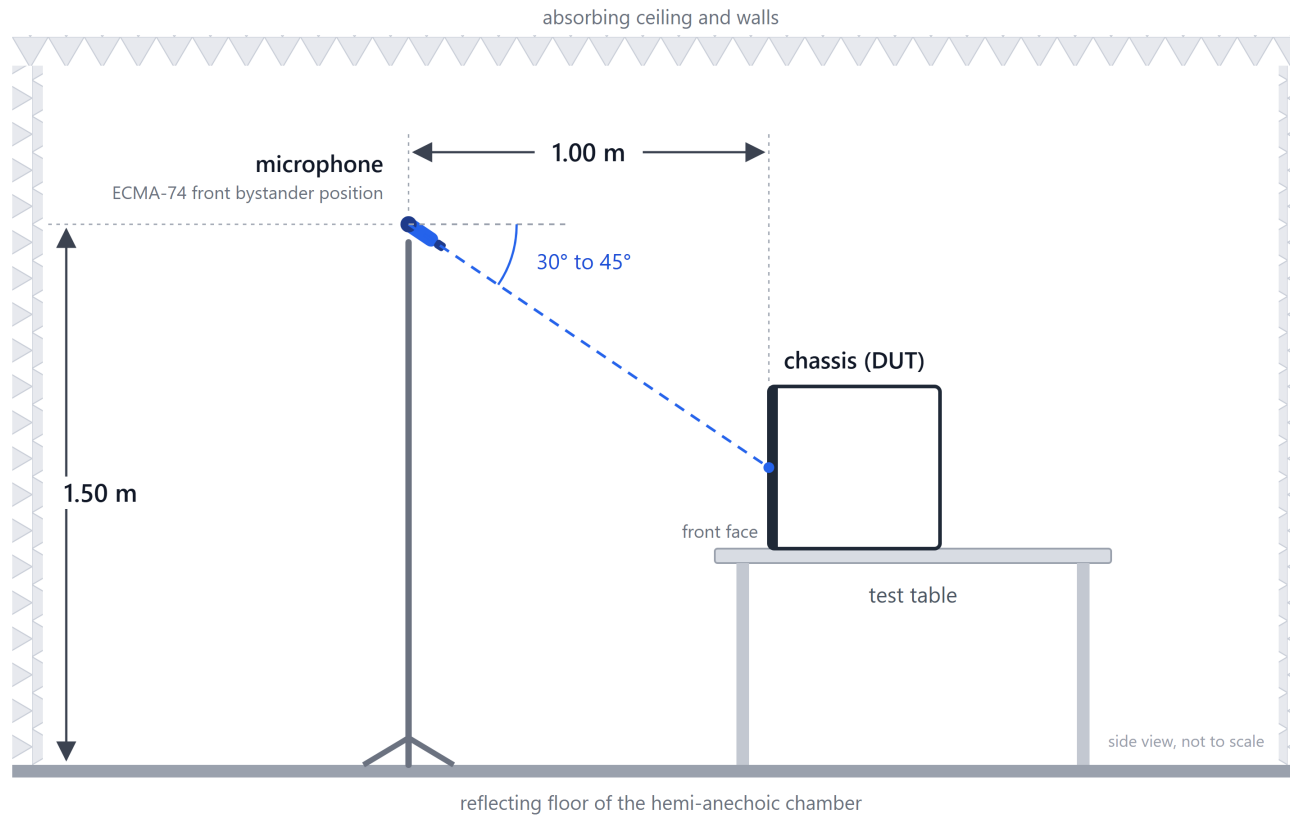
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

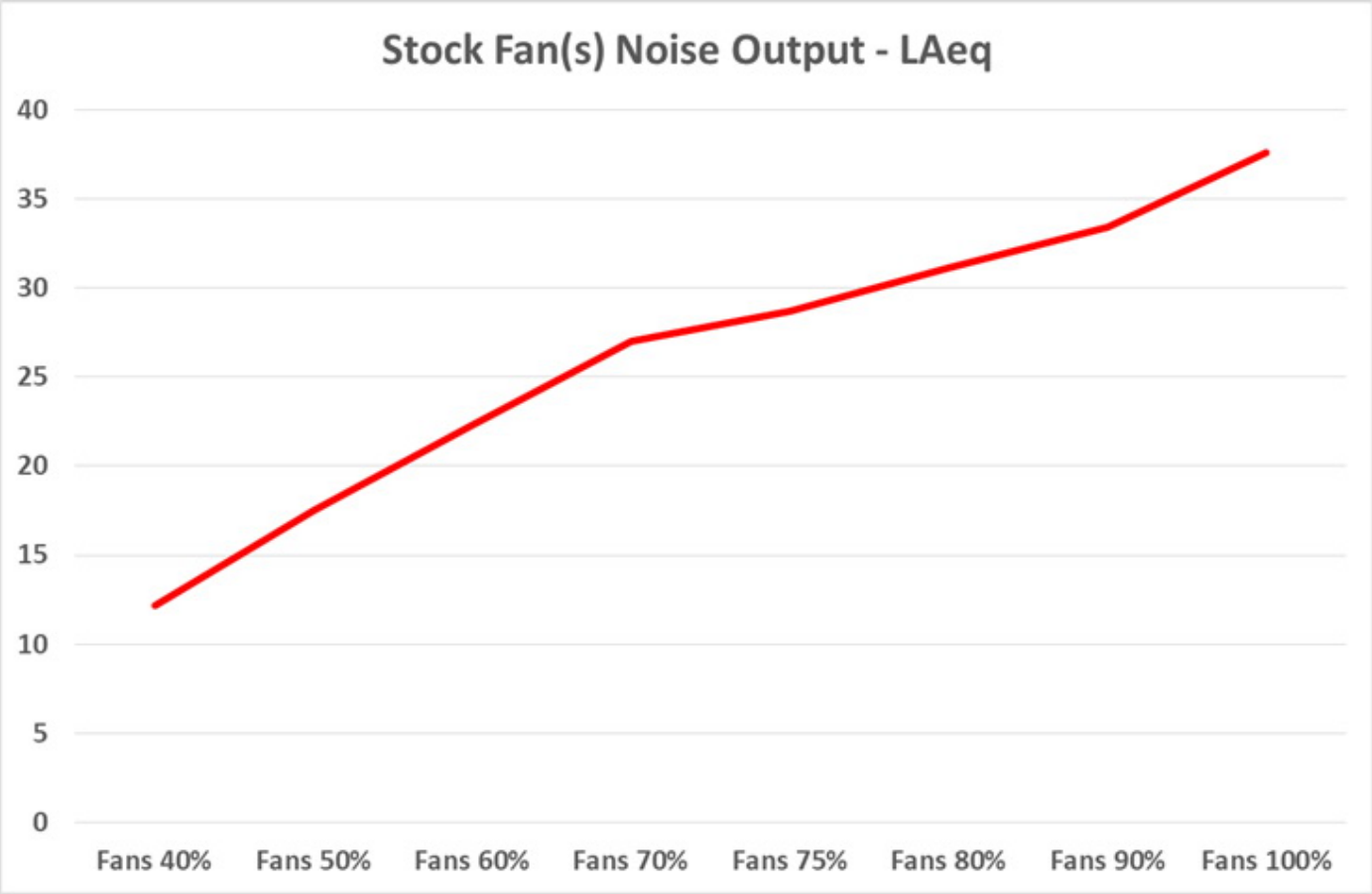
Brand	Phanteks
Product Name	Eclipse P600S
Type	Mid Tower
Dimensions (LxWxH)	510 x 240 x 520mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX, E-ATX
Removable Motherboard Tray	No
Front Door/Cover	Yes
Materials Body	Steel, Plastic, Sound Dampening Material
Materials Side Panel	Left:Sound-Dampened Steel Right: Sound-Dampened Steel
Expansion Slots	7x (plus three vertical)
Drive Bays	5.25": - 3.5 " : 10x Internal (4 included) 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 Rear: 1x 140mm Top: -
Fan Support	Front: 3x 120mm / 3x 140mm Top: 3x 120mm / 2x 140mm 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 Top: 120/140/240/280/360mm 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



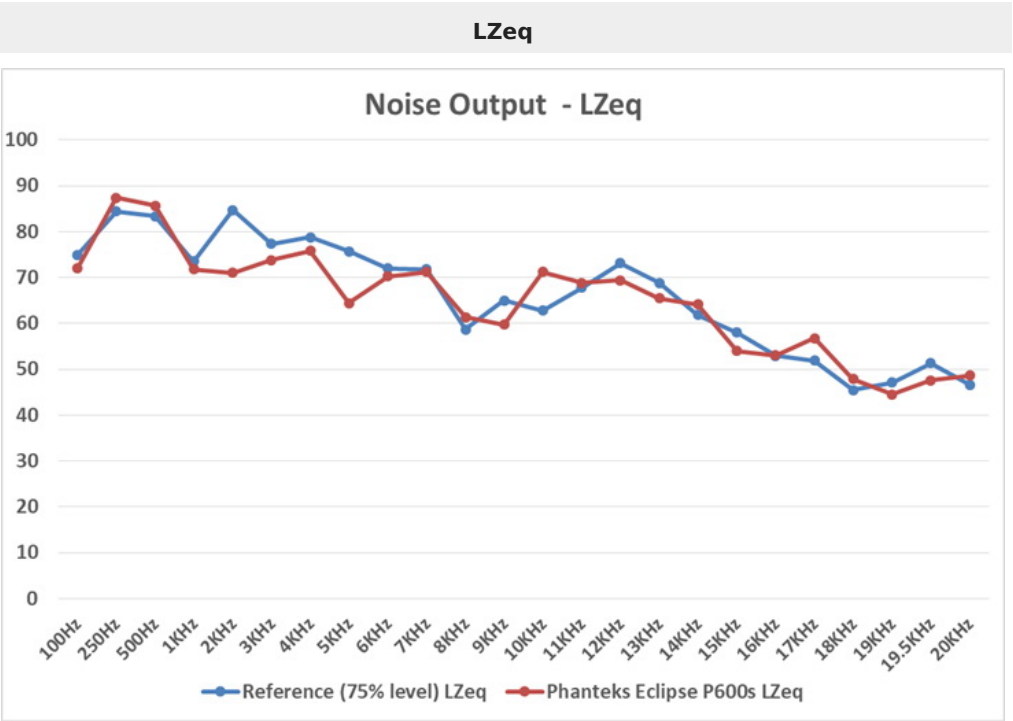
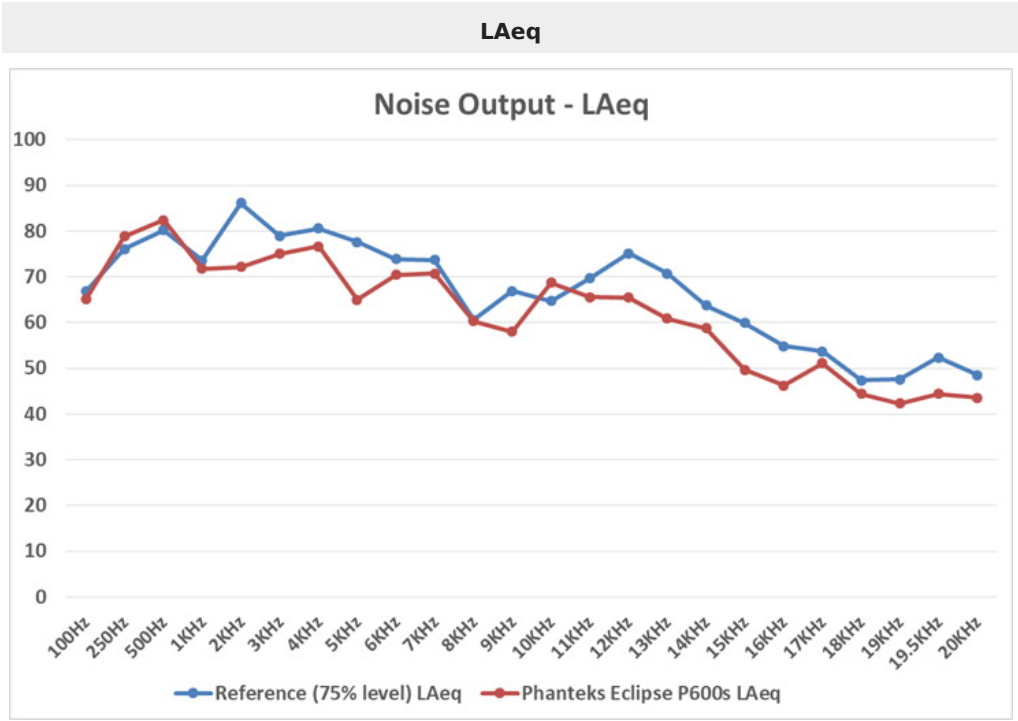
Stock Fan(s) Noise Output - LAeq



INFO

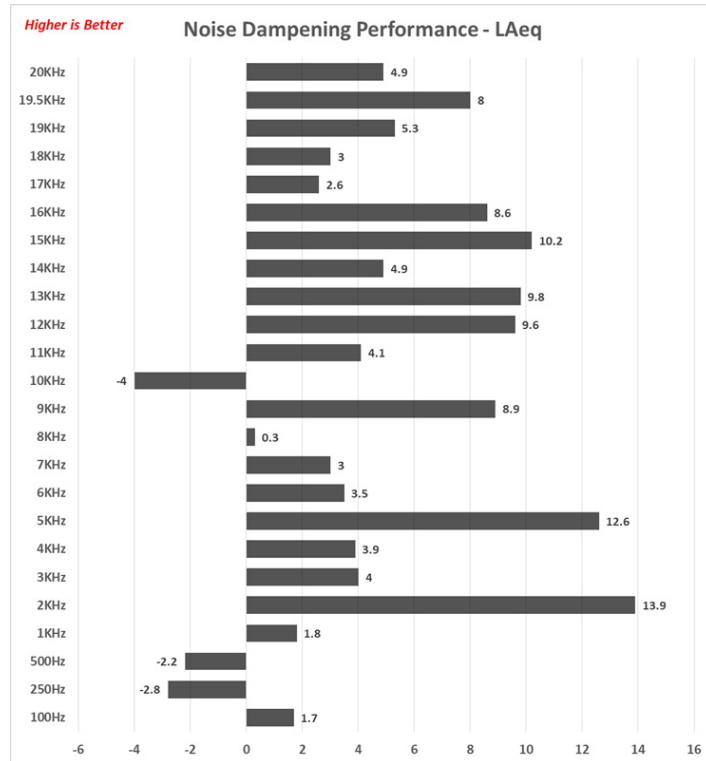
Stock Fan Noise Output from 40% to 100%

Noise Output

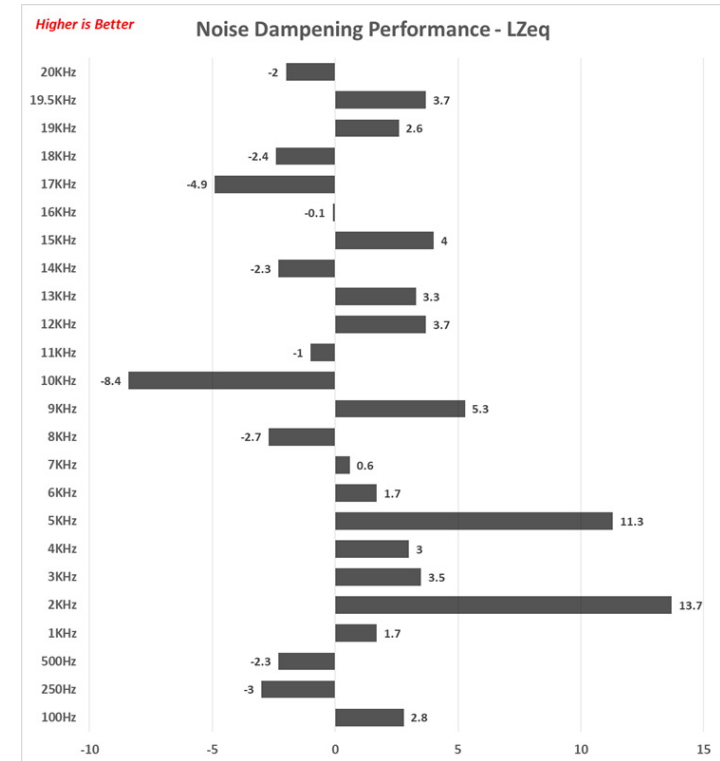


Noise Dampening Performance - Test Tones

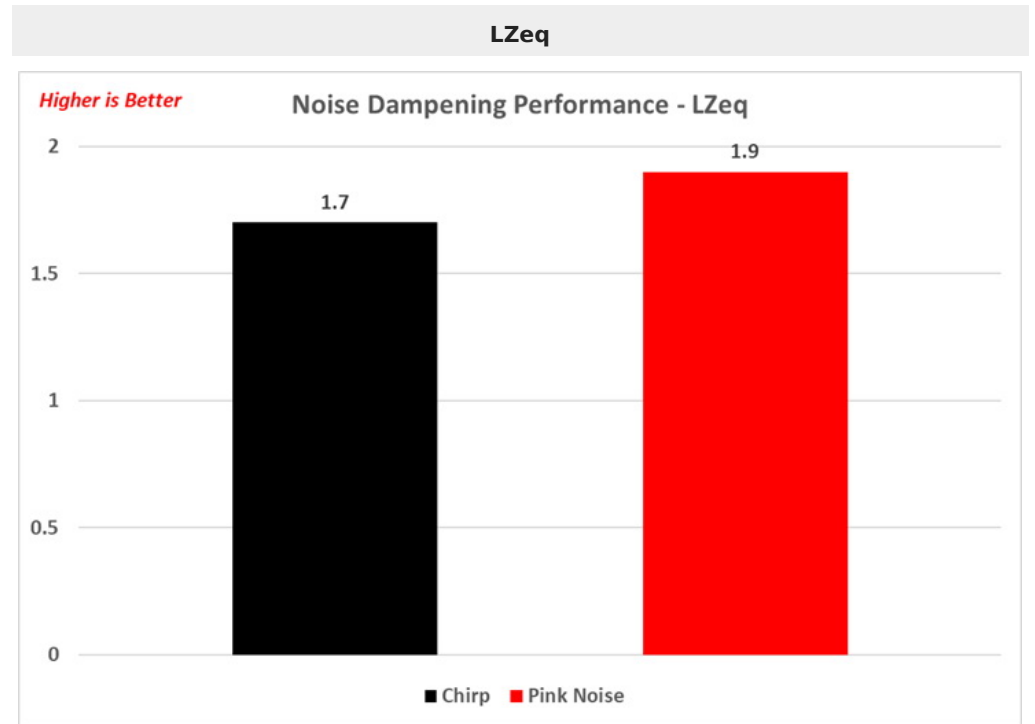
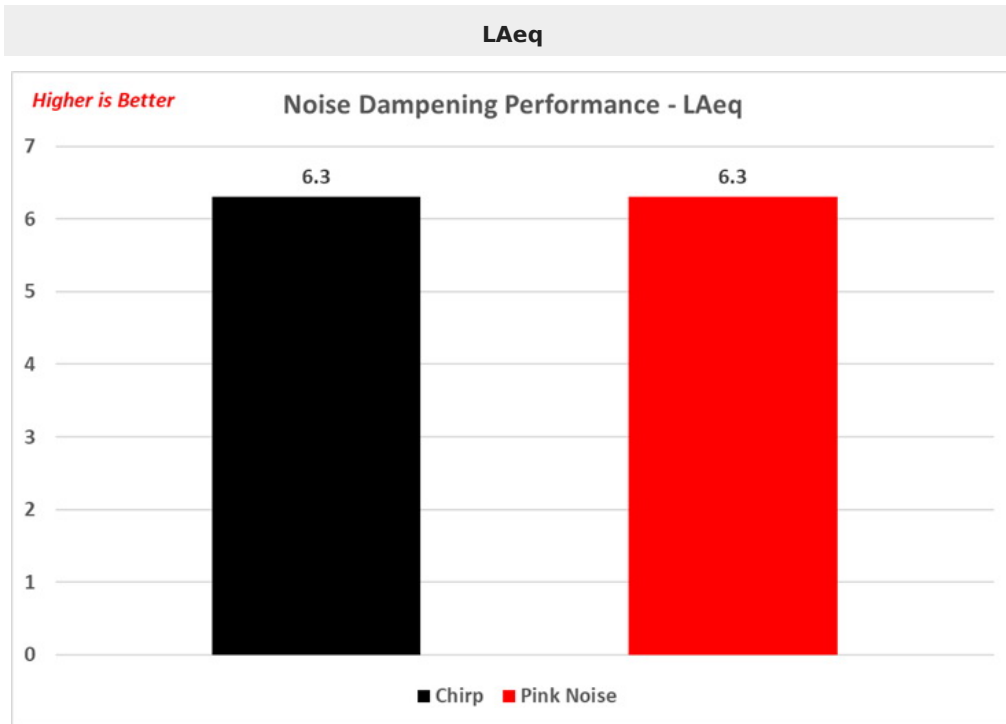
LAeq



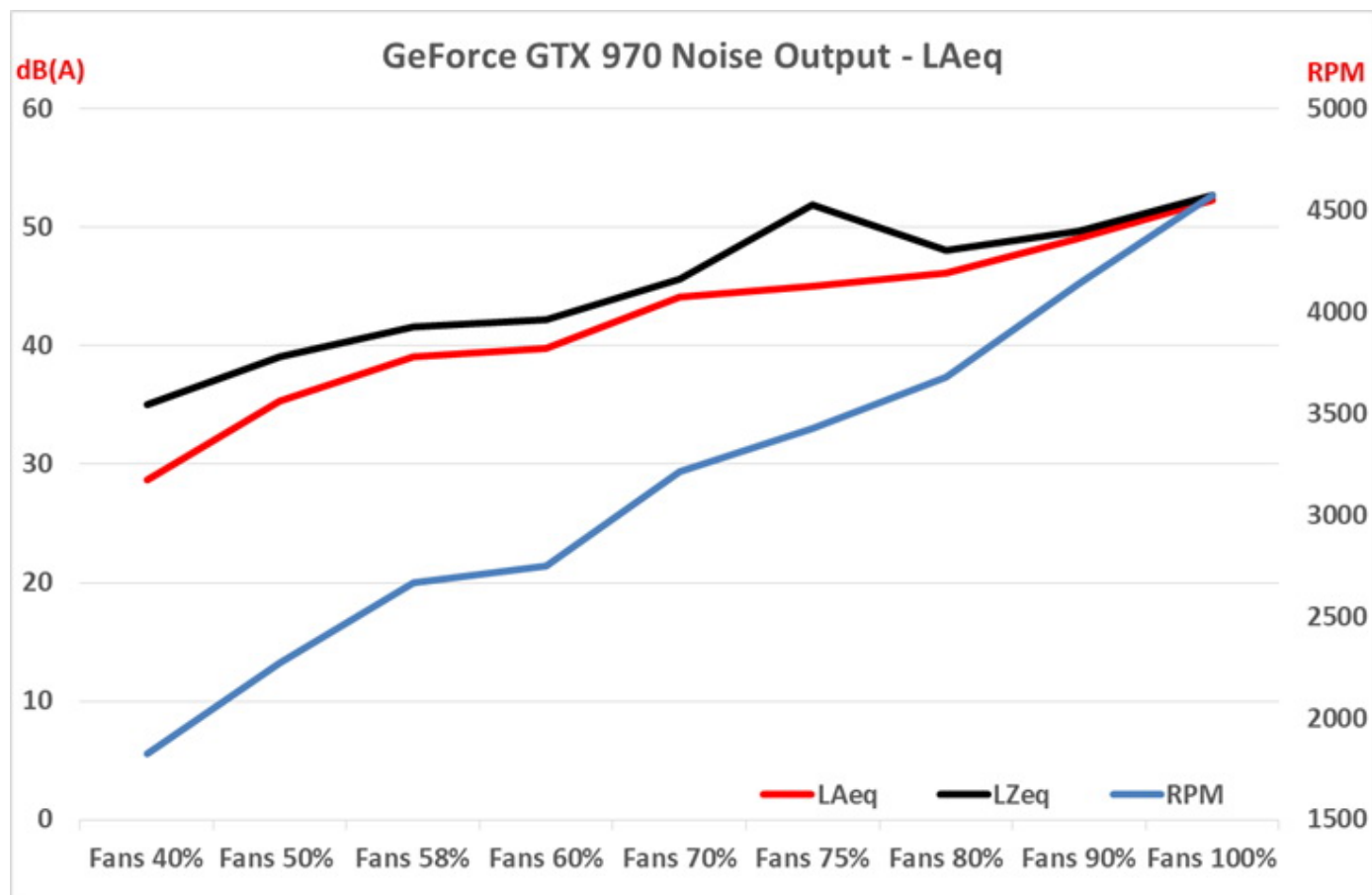
LZeq



Noise Dampening Performance - Pink & Chirp



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

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 LTD Syrou 6, Latsia, 2231, Nicosia Cyprus



Case Photo #2

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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