PHANTEKS

Phanteks Enthoo Pro 2

Lab ID PHCAS00097

Report Date: Sep 21, 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, 4.2 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

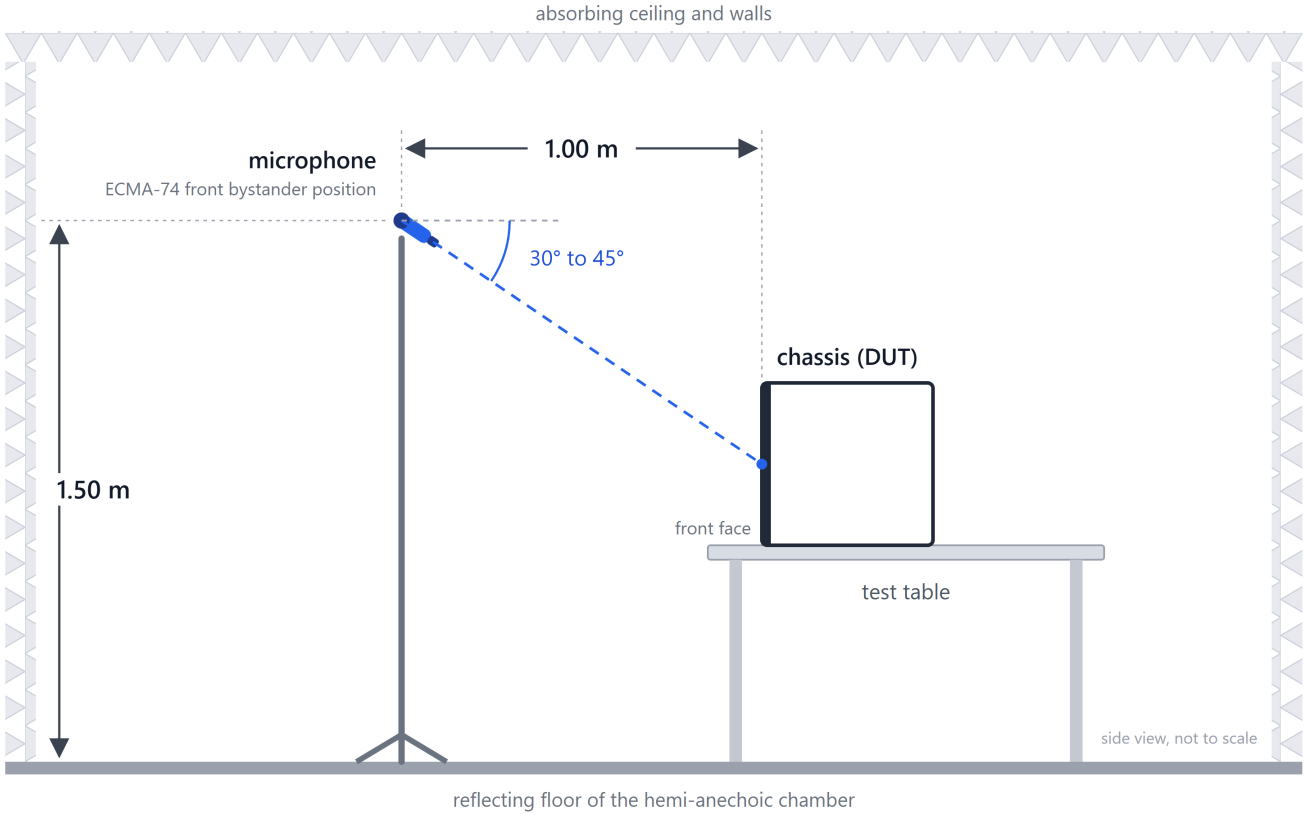
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

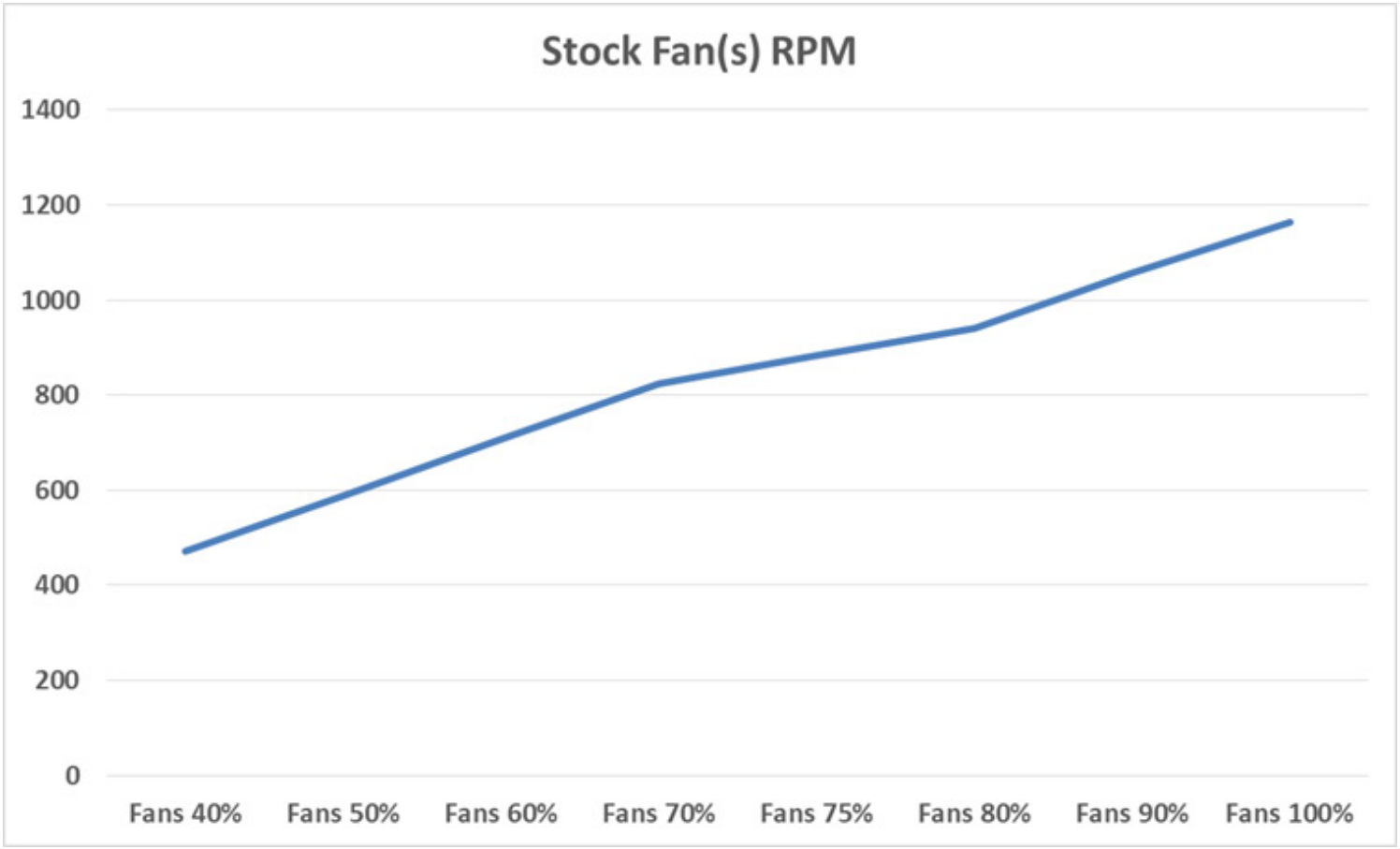
Brand	Phanteks
Product Name	Enthoo Pro 2 (Tempered Glass)
Type	Full Tower
Dimensions (LxWxH)	560 x 240 x 580mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX, E-ATX, SSI-EEB
Removable Motherboard Tray	No
Front Door/Cover	Yes
Materials Body	Steel, Glass
Materials Side Panel	Left: Tempered Glass Right: Steel
Expansion Slots	7x (plus three vertical)
Drive Bays	5.25": - 3.5 " : 12x Internal (4x included) 2.5" : 11x Internal (11x included)
I/O Panel	1x USB 3.1 Gen 2 Type-C, 4x USB 3.0, audio/mic combo jack, Reset button, Power button, LED Mode button, LED Color button
Pre-installed Fan(s)	Front: - Rear: - Top: -
Fan Support	Front: 4x 120mm / 3x 140mm Top: 3x 120mm / 3x 140mm Rear: 1x 120mm / 1x 140mm Bottom: 3x 120mm / 1x 140mm Side: 4x 120mm
Fan Bearing Type	-
Fan Power Connector	-
Fan/LED Controller	RGB Controller

Radiator Support	Front: 120/140/240/280/360/420/480mm Top: 120/140/240/280/360/420mm Rear: 120/140mm Bottom: 120/140/240/360mm Side: 120/240/360/480mm
CPU Cooler Height (Max)	195mm
VGA Length (Max)	503mm
PSU Length (Max)	260mm
Behind MB Tray Clearance/Cable Management Support	38mm
Dust Filters	Top, Front, Bottom
PSU Support	Bottom, ATX
Weight	13 kg
Warranty	5-years limited

Noise Measurements Test Set Up



Stock Fan(s) Noise Output – LAeq

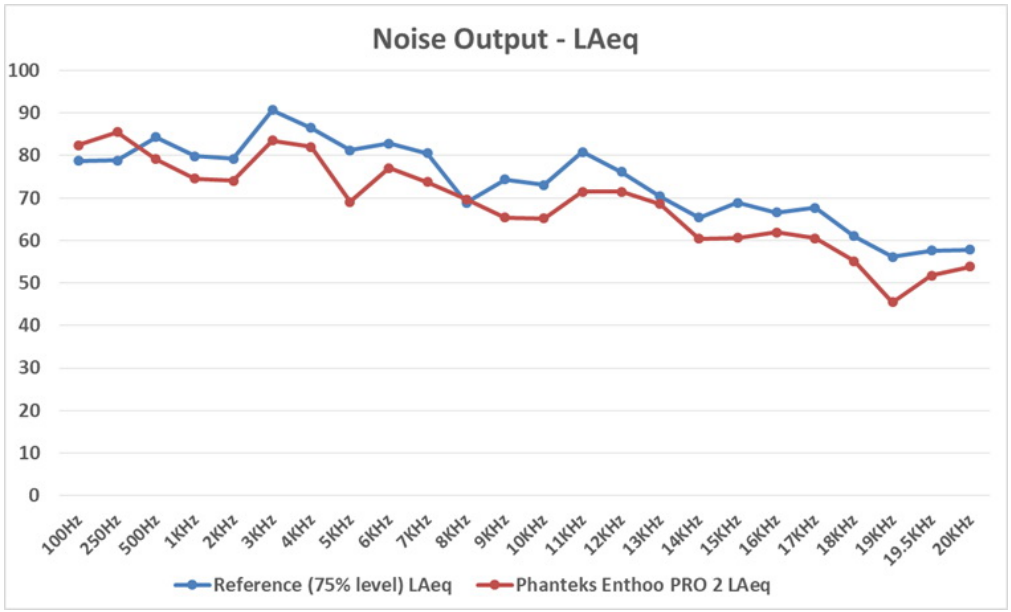


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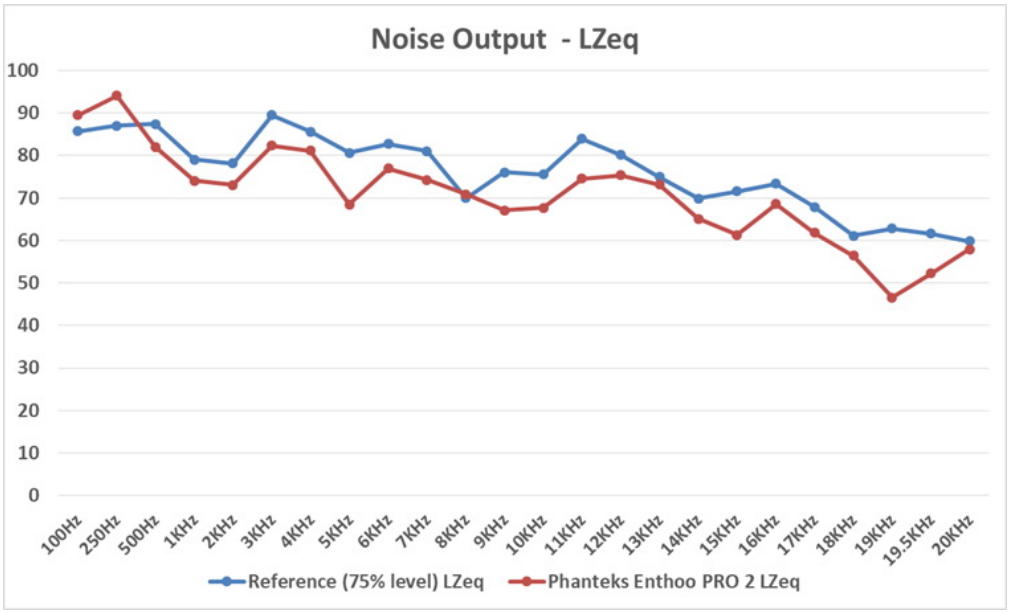
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

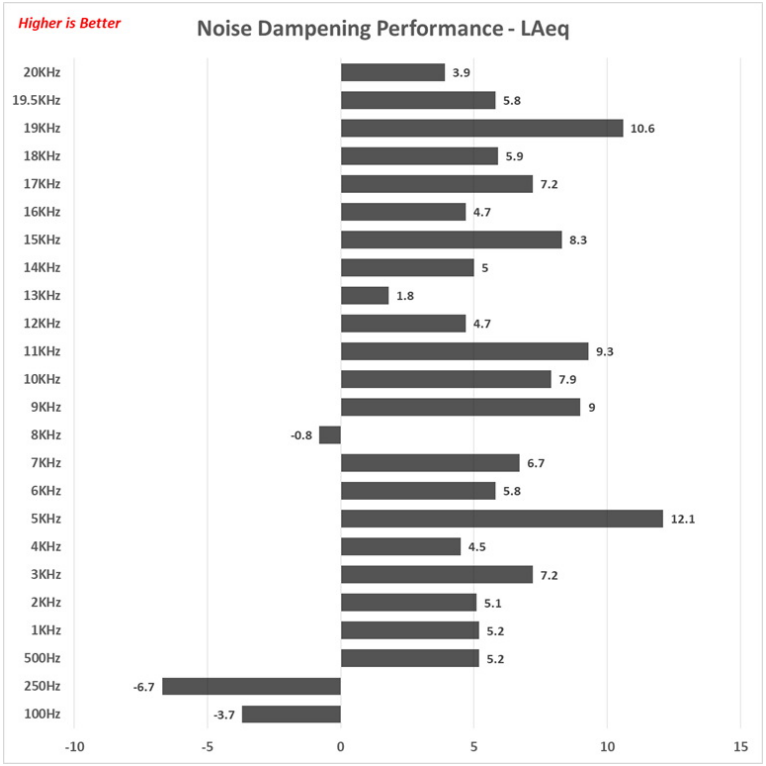


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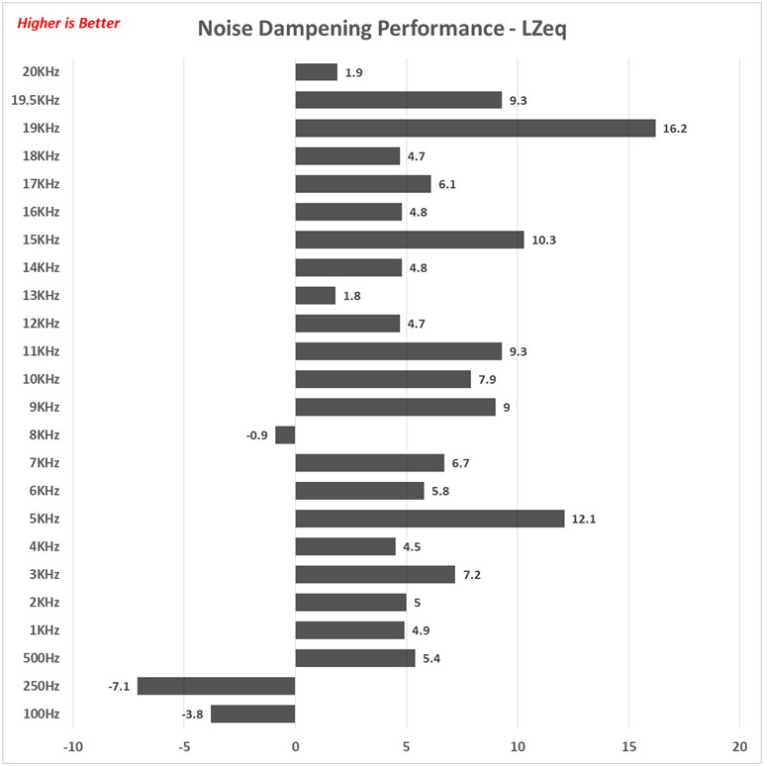


Noise Dampening Performance – Test Tones

LAeq

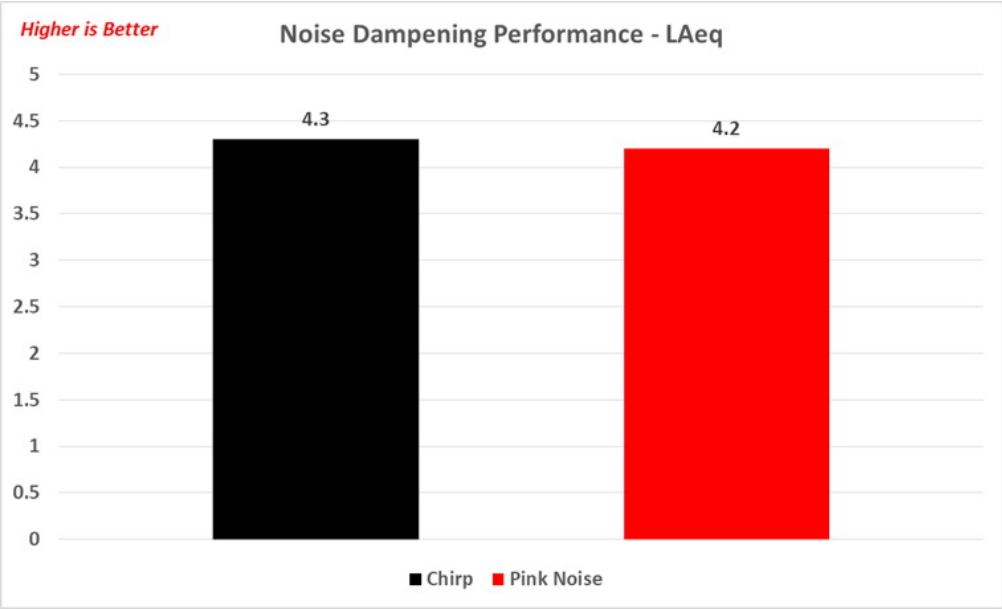


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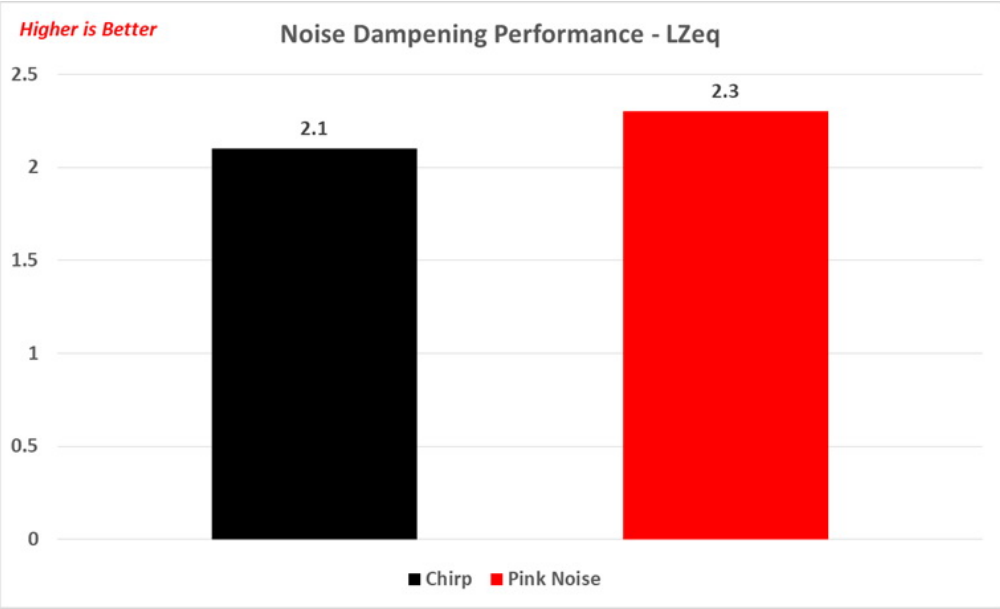


Noise Dampening Performance – Pink & Chirp

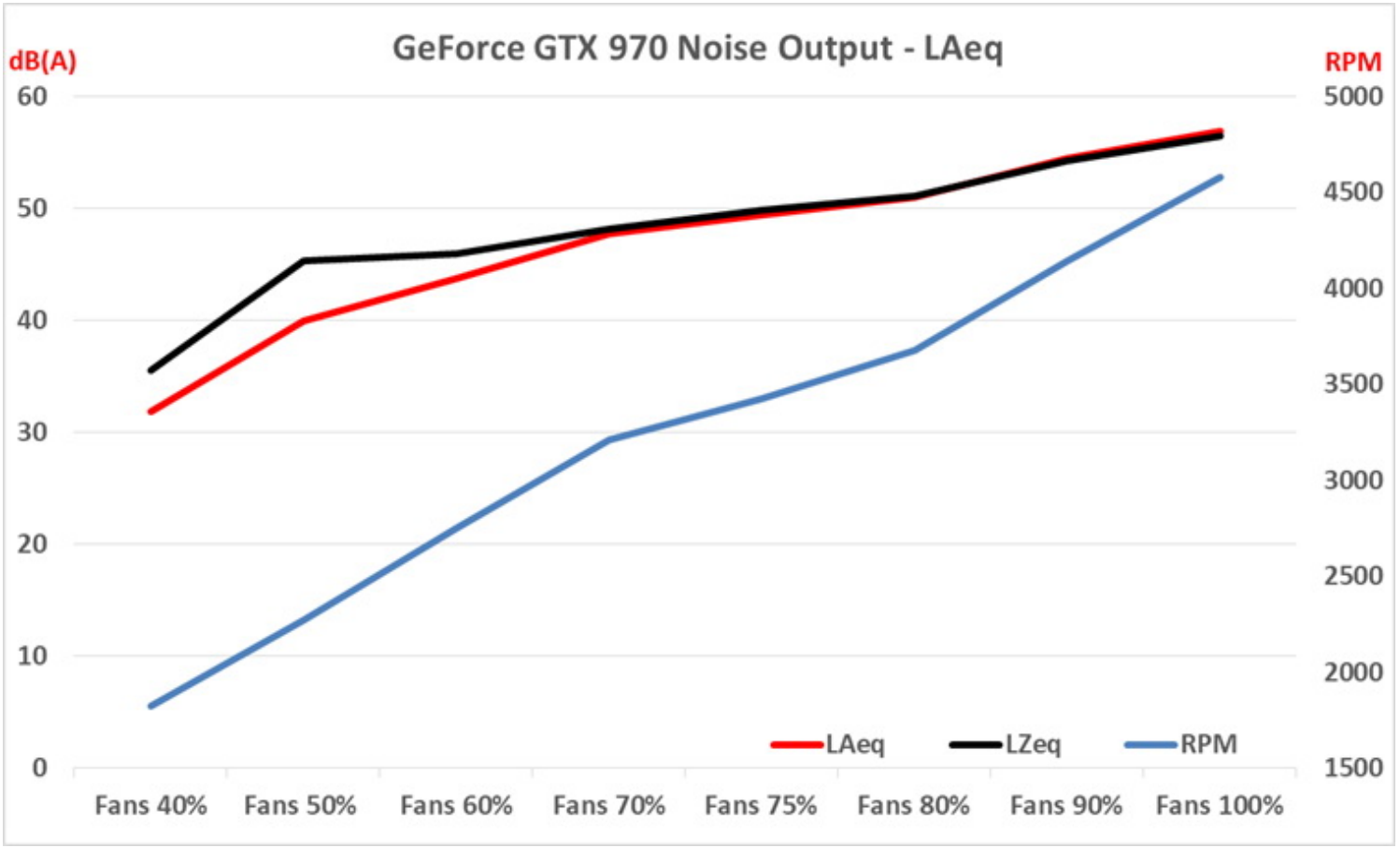
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

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

Phanteks Enthoo Pro 2



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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