Make It Yours.

Cooler Master Silencio S400 (Sound-Proof Top Panel)

Lab ID CMCAS00072

Report Date: Feb 19, 2020

Scheme: DELTA

Lautstärkeklasse CYBENETICS STANDARD

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, 4.6 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

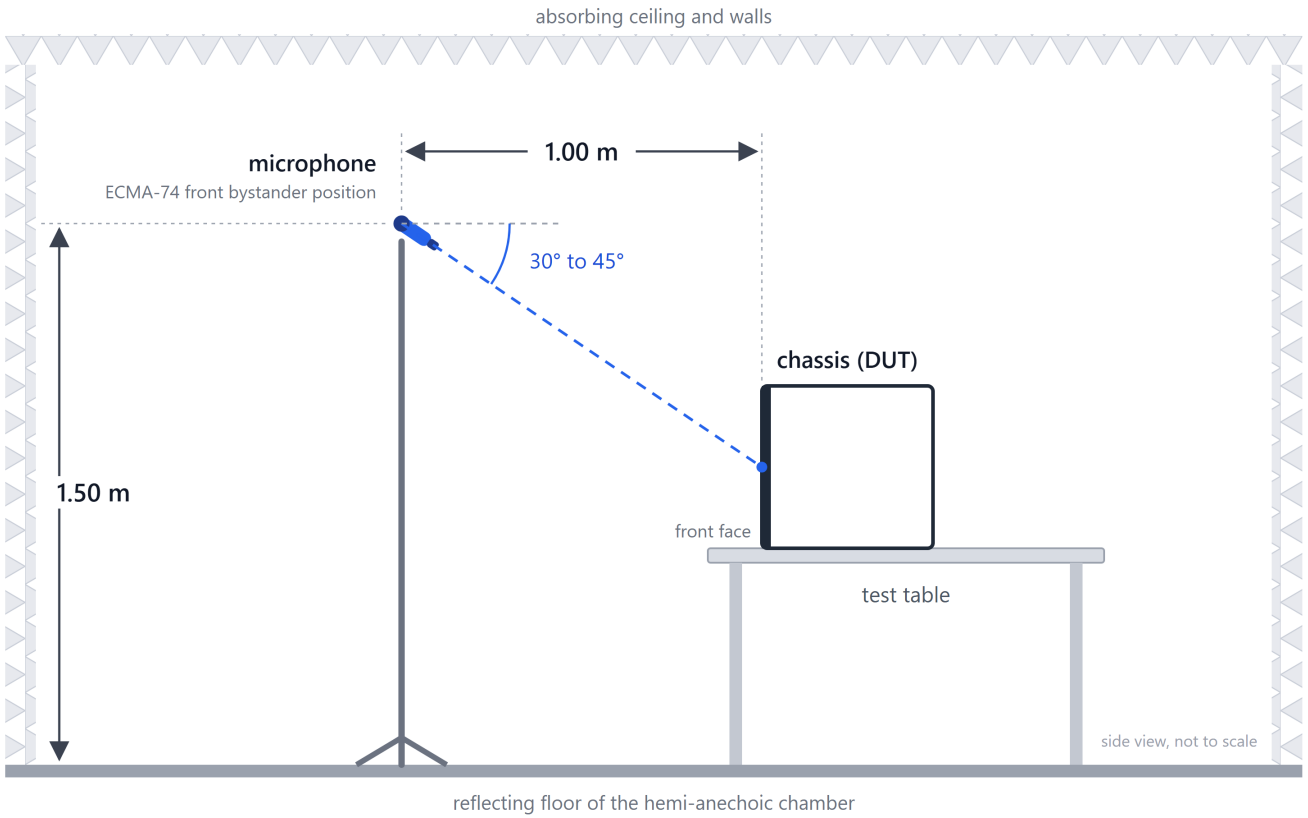
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

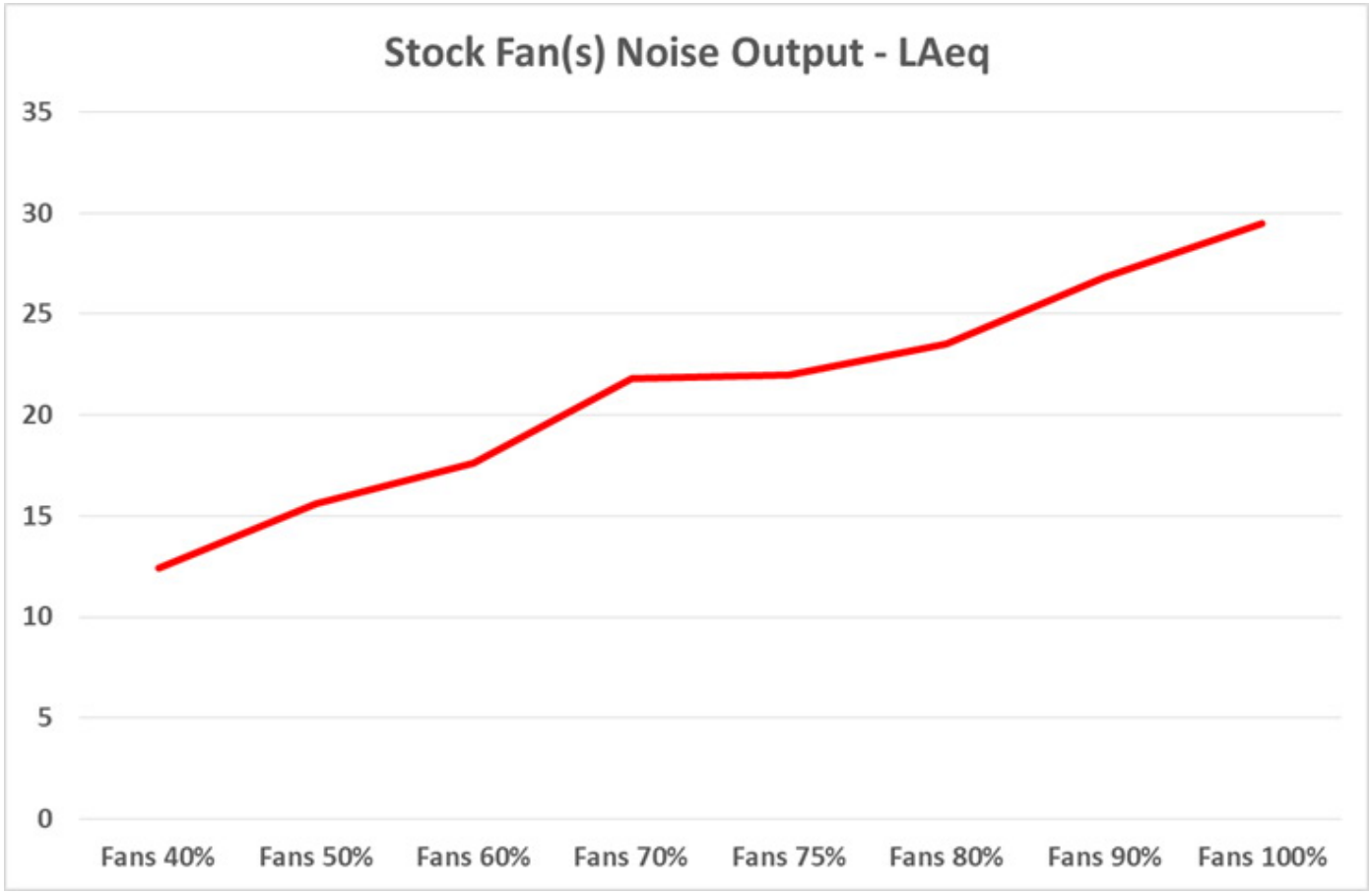
Brand	Cooler Master
Product Name	Silencio S400
Type	Mini Tower
Dimensions (LxWxH)	403.5 x 210 x 404mm
Motherboard Support	Mini-ITX, Micro-ATX
Removable Motherboard Tray	No
Front Door/Cover	Yes
Materials Body	Steel, Plastic, Sound Dampening Material
Materials Side Panel	Left:Sound-Dampened Steel Right: Sound-Dampened Steel
Expansion Slots	4x
Drive Bays	5.25": 1x External 3.5 " : 4x Internal 2.5" :4x Internal
I/O Panel	2x USB 3.2, 1x audio/mic combo jack, 1x SD Card Reader, 1x Power Button, 1x Reset Button
Pre-installed Fan(s)	Front: 1x 120mm (800-1400 RPM) Rear: 1x 120mm (800-1400 RPM) Top: -
Fan Support	Front: 2x 120mm / 2x 140mm Top: 1x 120mm / 1x 140mm or 2x 120mm / 2x 140mm (remove ODD cage) Rear: 1x 120mm
Fan Bearing Type	Rifle
Fan Power Connector	4-Pin (PWM)
Fan/LED Controller	No
Radiator Support	Front: 120/140/240/280mm (remove ODD cage) Top: 120/240mm (with ODD removed) Rear: 120mm
CPU Cooler Height (Max)	167mm

VGA Length (Max)	319mm
PSU Length (Max)	140mm / 325mm (w/o front radiator & HDD cage)
Behind MB Tray Clearance/Cable Management Support	20mm
Dust Filters	Top, Front, Bottom
PSU Support	Bottom Mount, ATX
Weight	6.6 kg / 6.8 kg (with sound-dampened upper panel)
Warranty	2-years

Noise Measurements Test Set Up



Stock Fan(s) Noise Output – LAeq

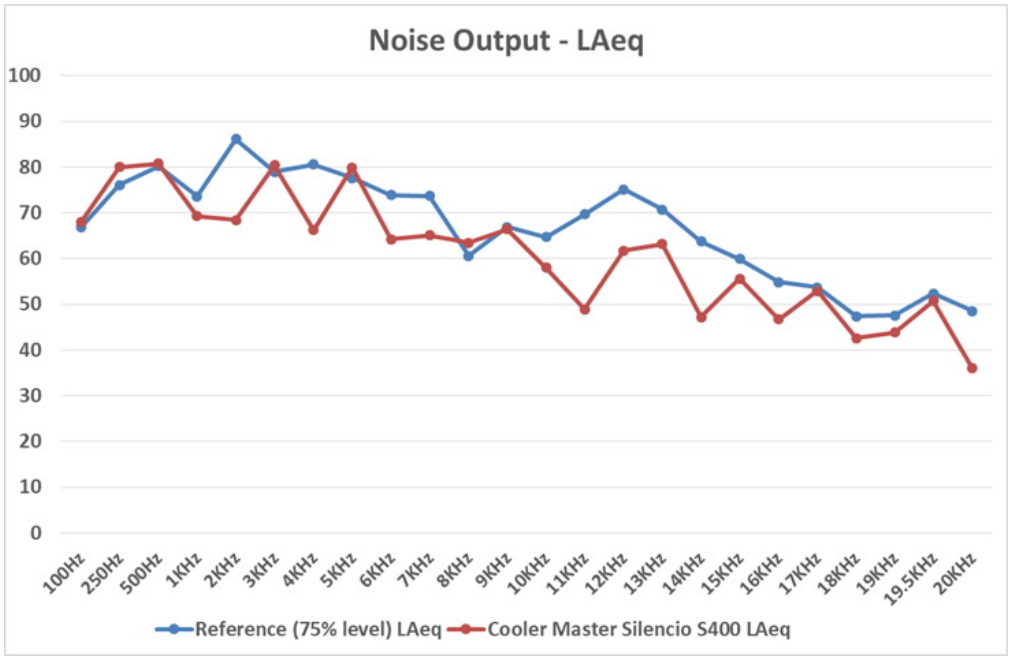


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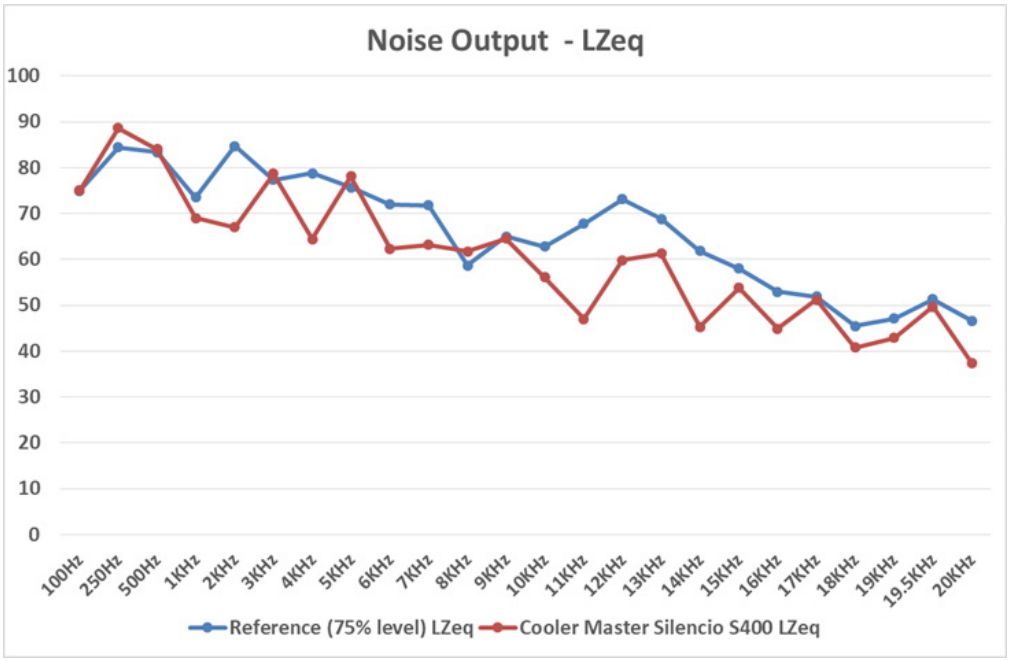
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

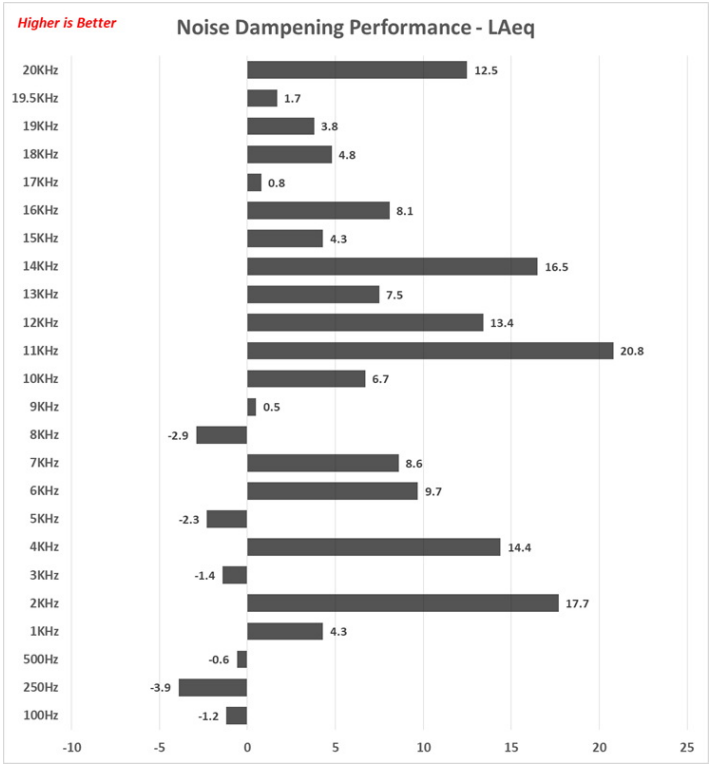


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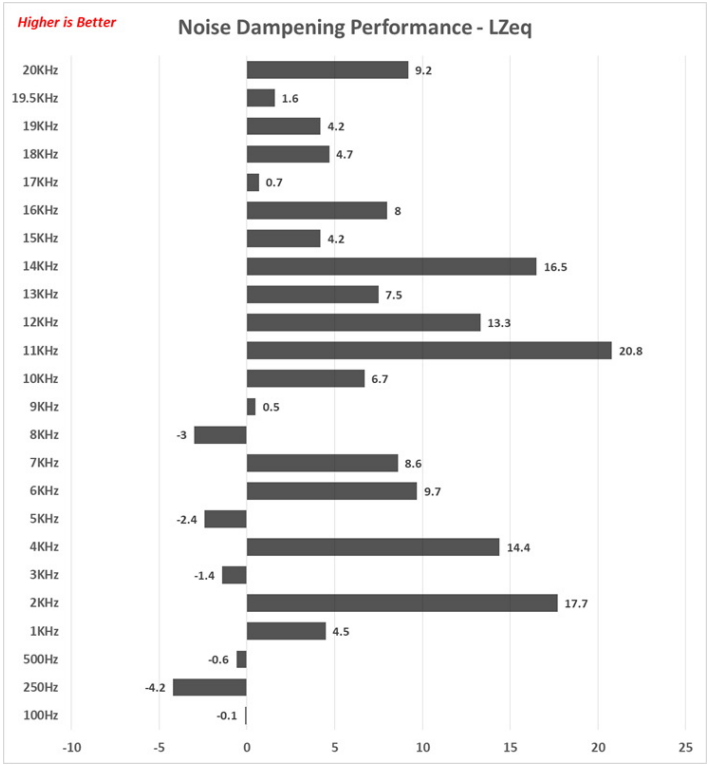


Noise Dampening Performance – Test Tones

LAeq

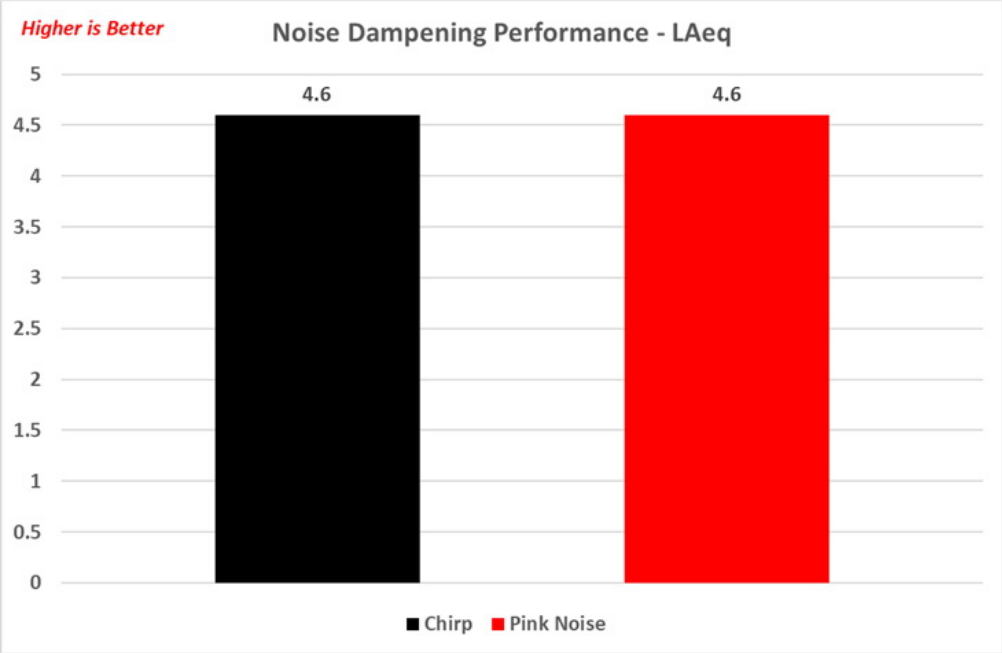


LZeq

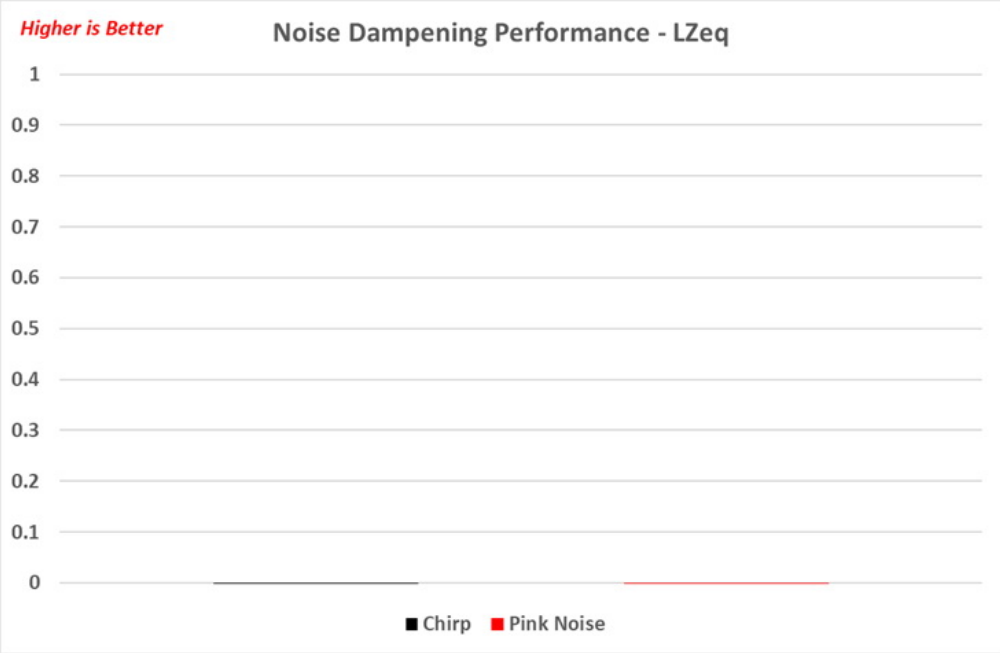


Noise Dampening Performance – Pink & Chirp

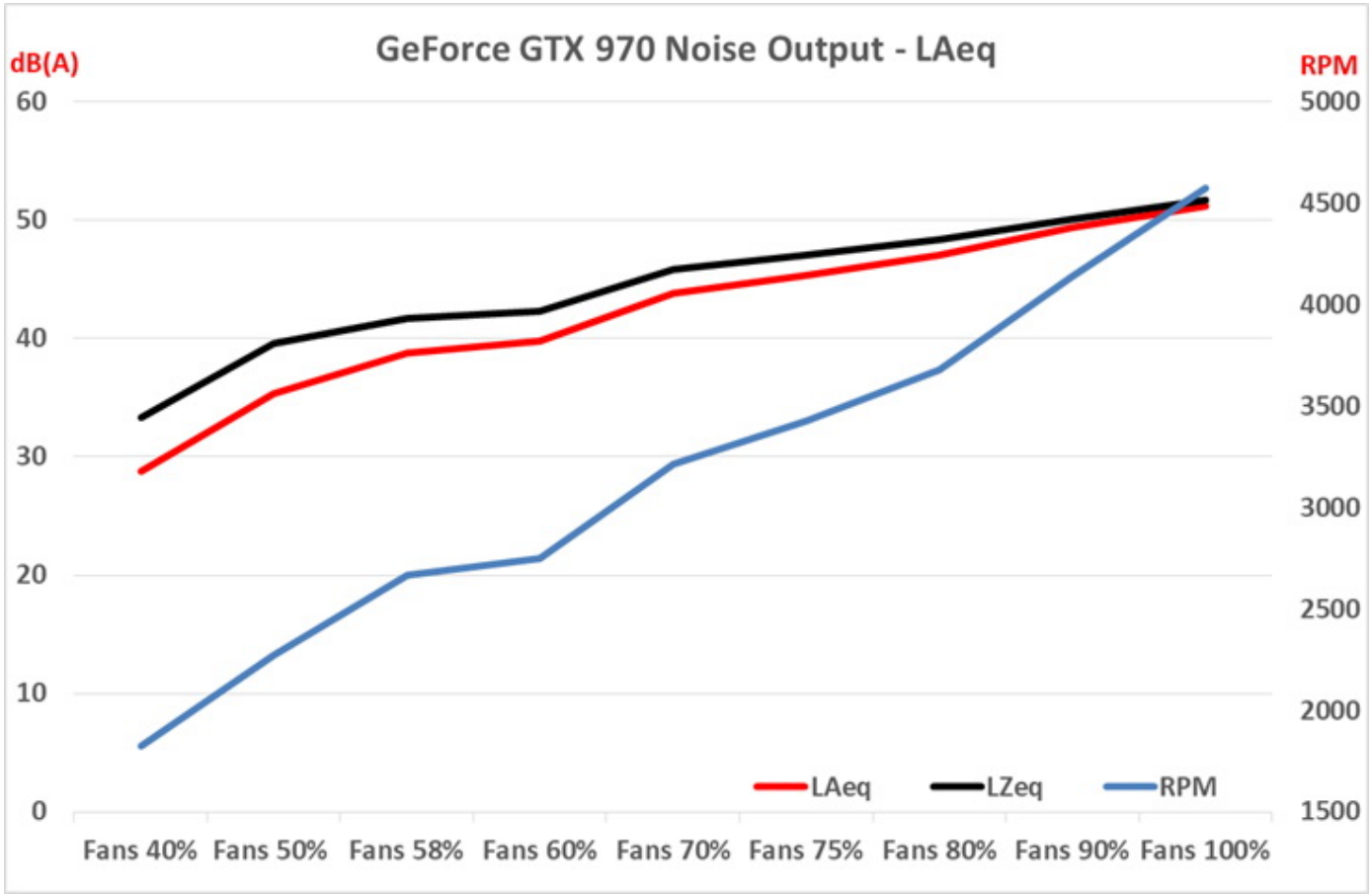
LAeq



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

Cybenetics bietet freiwillige Zertifizierungsprogramme für Netzteile – ETA für Effizienz, LAMBDA für Lautstärke und SAFE für Sicherheit und korrekten Betrieb – sowie für Kühlprodukte mit DELTA für die Schalldämmung von Gehäusen und PHI für Luftstrom und statischen Druck von Lüftern

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