Corsair 6500X

Lab ID CRCAS00137

Report Date: Jul 15, 2024

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, 8.5 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.

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

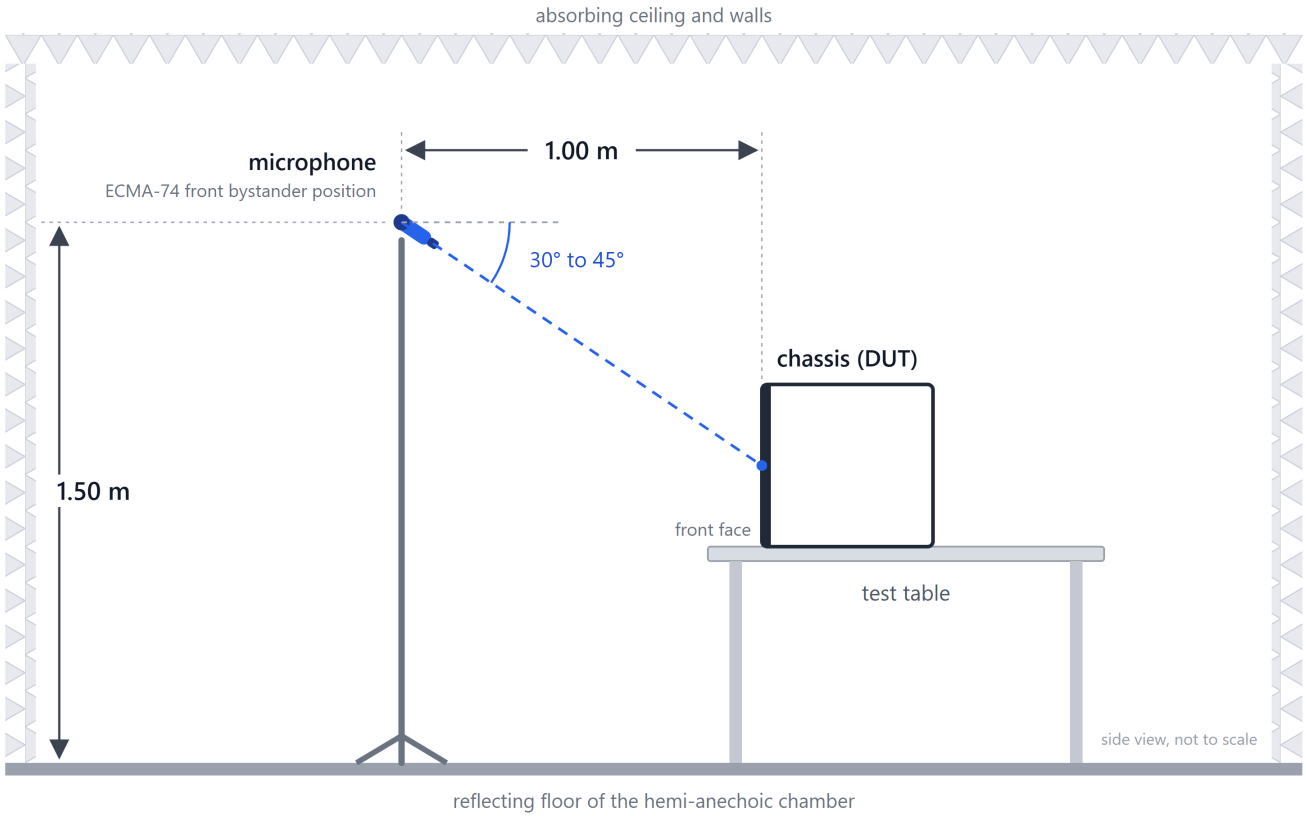
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

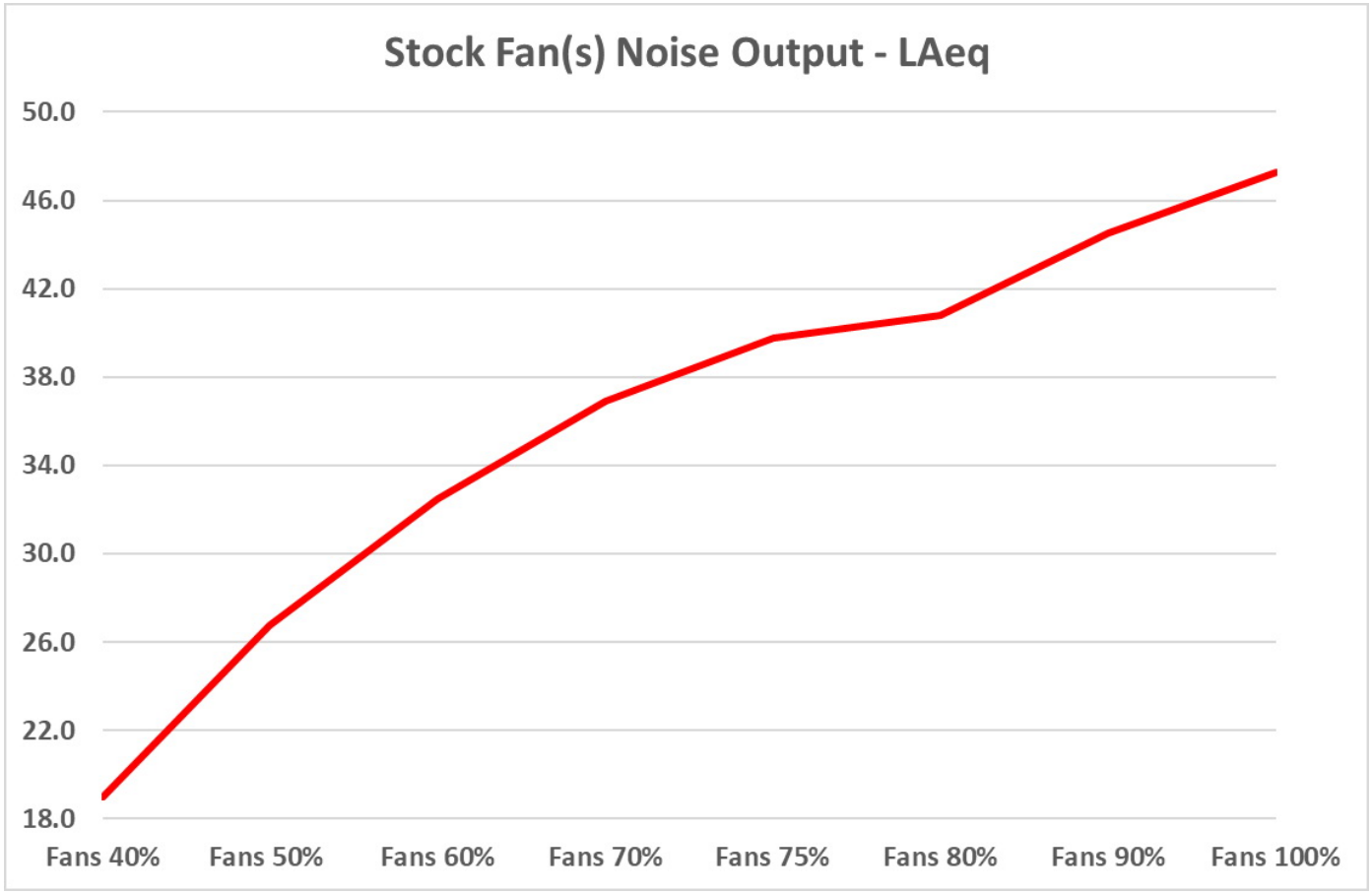
Brand	Corsair
Product Name	6500X
Type	Dual Chamber Mid Tower
Dimensions (LxWxH)	481 x 328 x 496mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX, E-ATX (305mm x 277mm); reverse-connector (BTF) boards supported
Front Door/Cover	No door. Fixed tempered glass front panel (no front fan/radiator mounts)
Materials	Steel, Plastic, Tempered Glass
Materials Side Panel	**Left:** Tempered Glass **Right:** Mesh (Steel)
Expansion Slots	8x Horizontal (+4x Vertical with the optional Vertical Mount Kit)
Drive Bays	**5.25":** - **3.5":** 2x Internal **2.5":** 2x Internal
I/O Panel	1x USB 3.2 Gen 2 Type-C, 4x USB 3.2 Gen 1 Type-A, 1x Headphone Combo Jack, 1x Power Button, 1x Reset Button
Pre-installed Fan(s)	None
Fan Support	**Front:** - (Glass Panel) **Top:** 3x 120mm / 3x 140mm **Side:** 3x 120mm **Bottom:** 3x 120mm / 3x 140mm **Rear:** 1x 120mm / 1x 140mm
Fan Bearing Type	N/A (no fans included)
Fan Power Connector	N/A (no fans included)
Fan/LED Controller	No
Radiator Support	**Front:** - (Glass Panel) **Top:** 120 / 140 / 240 / 280 / 360mm **Side:** 120 / 240 / 360mm **Bottom:** 120 / 140 / 240 / 280 / 360mm **Rear:** 120 / 140mm
CPU Cooler Height (Max)	190mm

VGA Length (Max)	400mm
PSU Length (Max)	225mm
Dust Filters	Top, Bottom, Backside
PSU Support	Secondary (rear) chamber, ATX PS/2
Weight	16.4 kg
Warranty	2-years

Noise Measurements Test Set Up



Stock Fan(s) Noise Output – LAeq

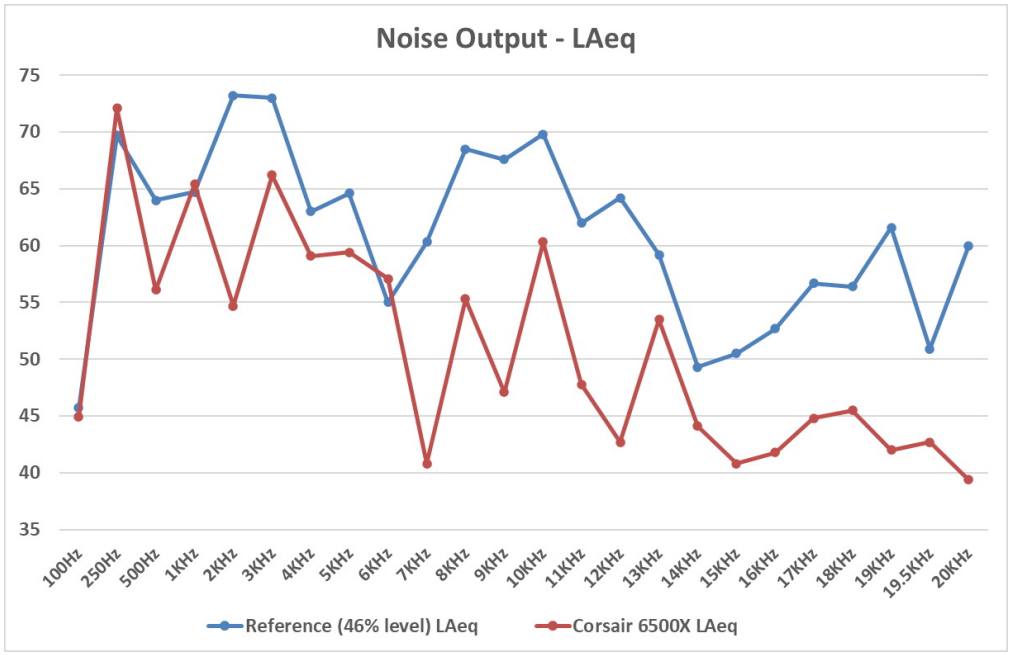


INFO

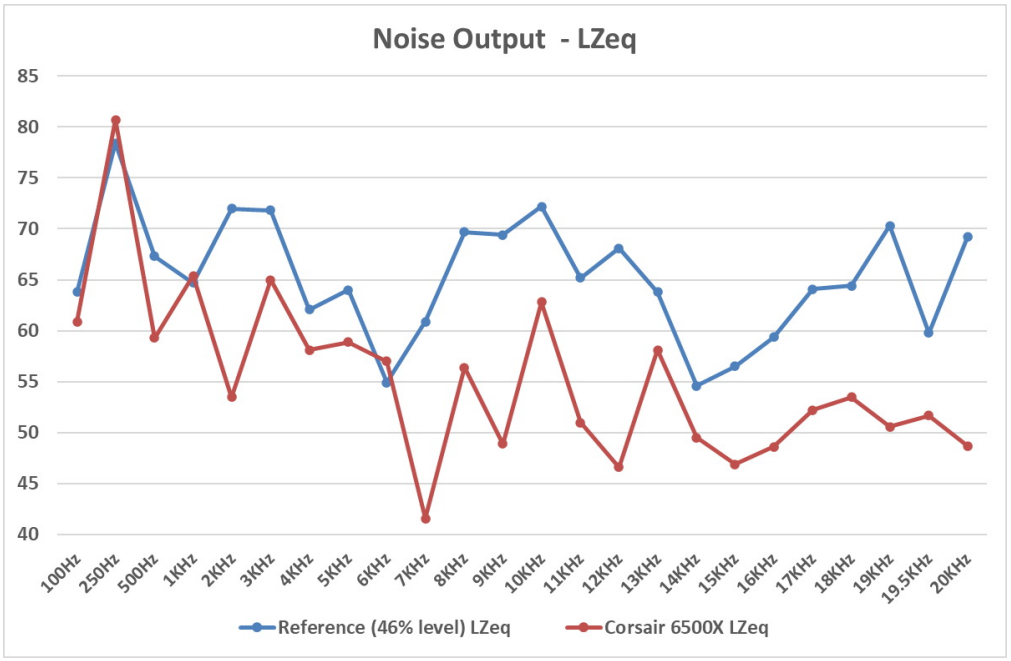
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

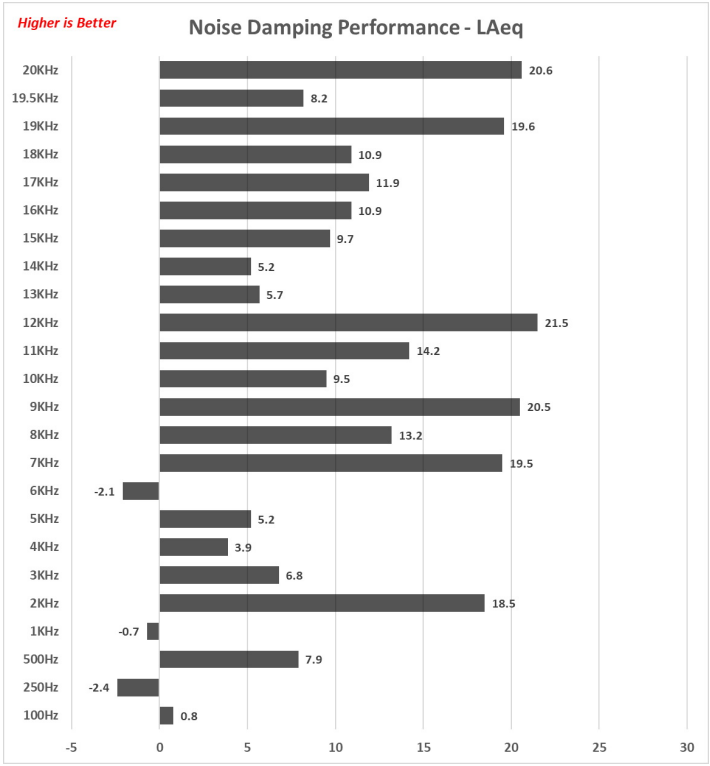


LZeq

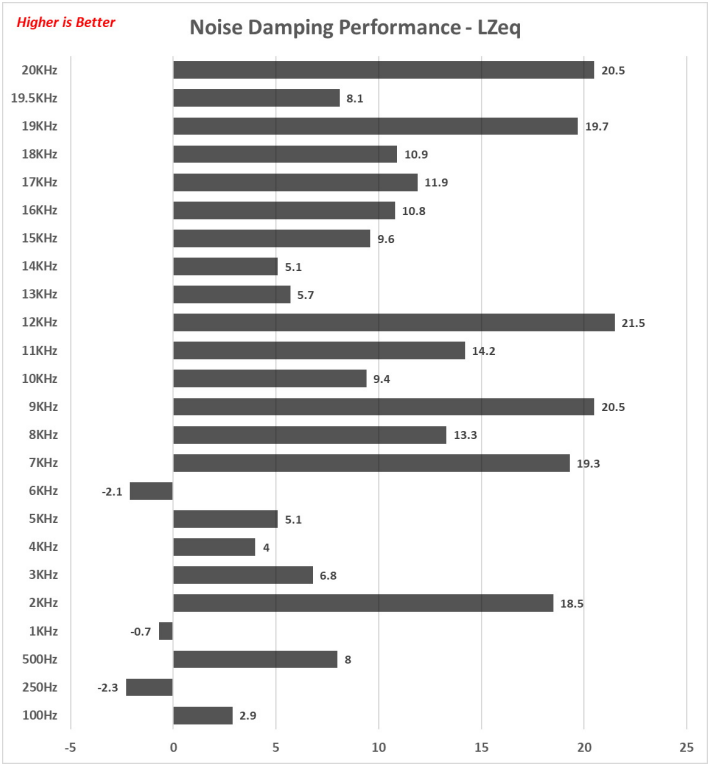


Noise Dampening Performance – Test Tones

LAeq

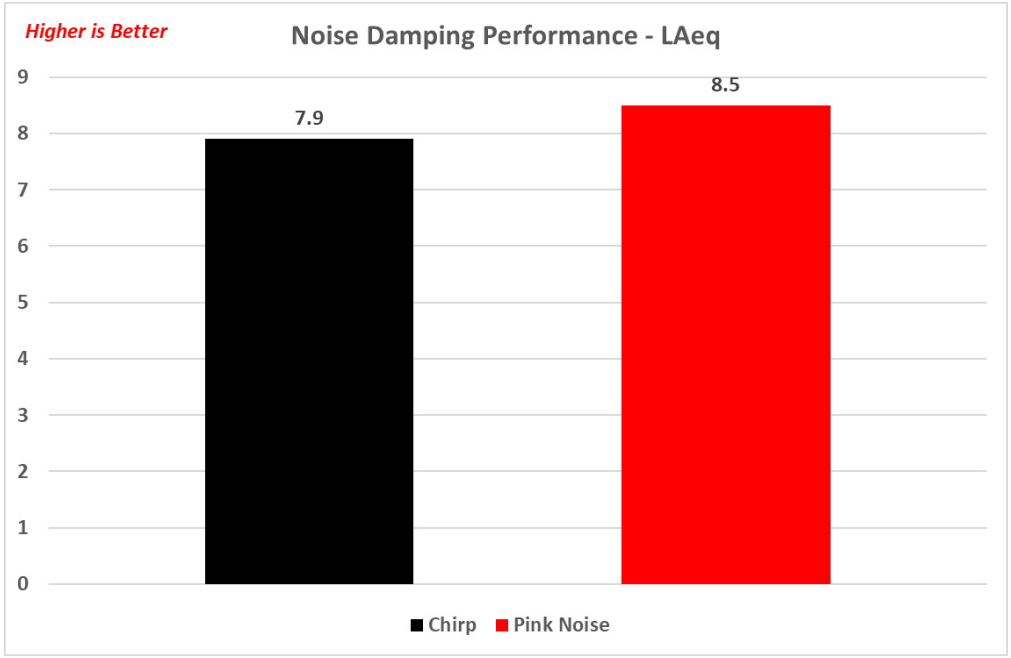


LZeq

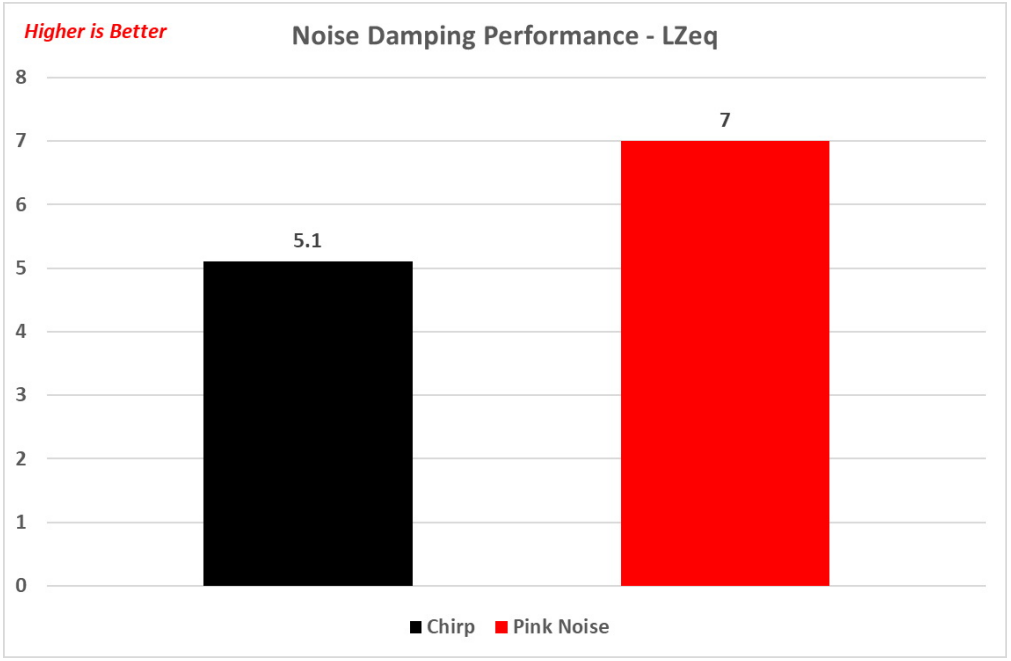


Noise Dampening Performance – Pink & Chirp

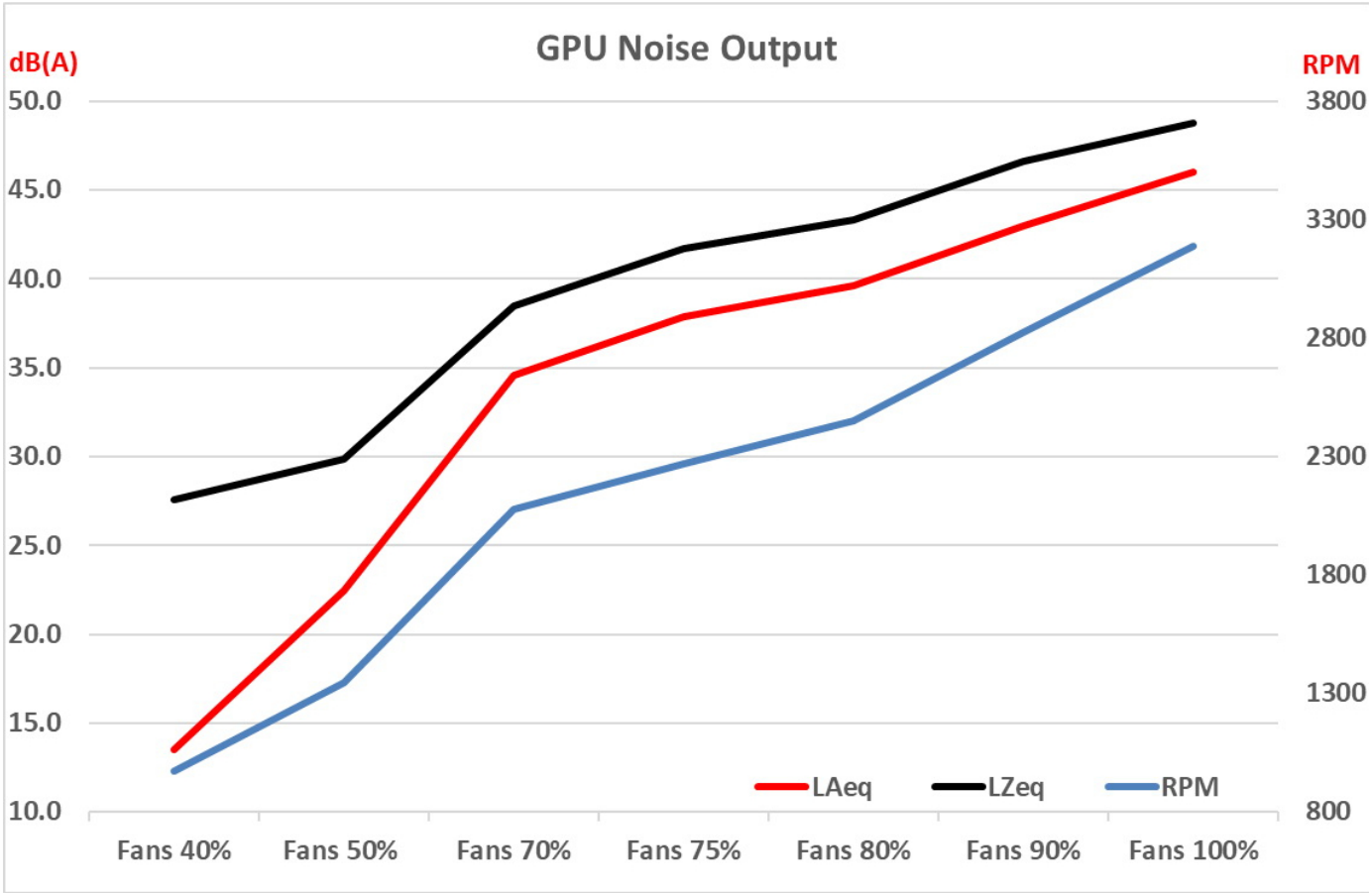
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

Galax GeForce RTX 4060 EX Noise Output from 40% to 100% Fan Speed

Corsair 6500X



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

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com