Corsair 2500D Airflow

Lab ID CRCAS00133

Report Date: May 18, 2024

Scheme: DELTA

Lautstärkeklasse

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, 4.9 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

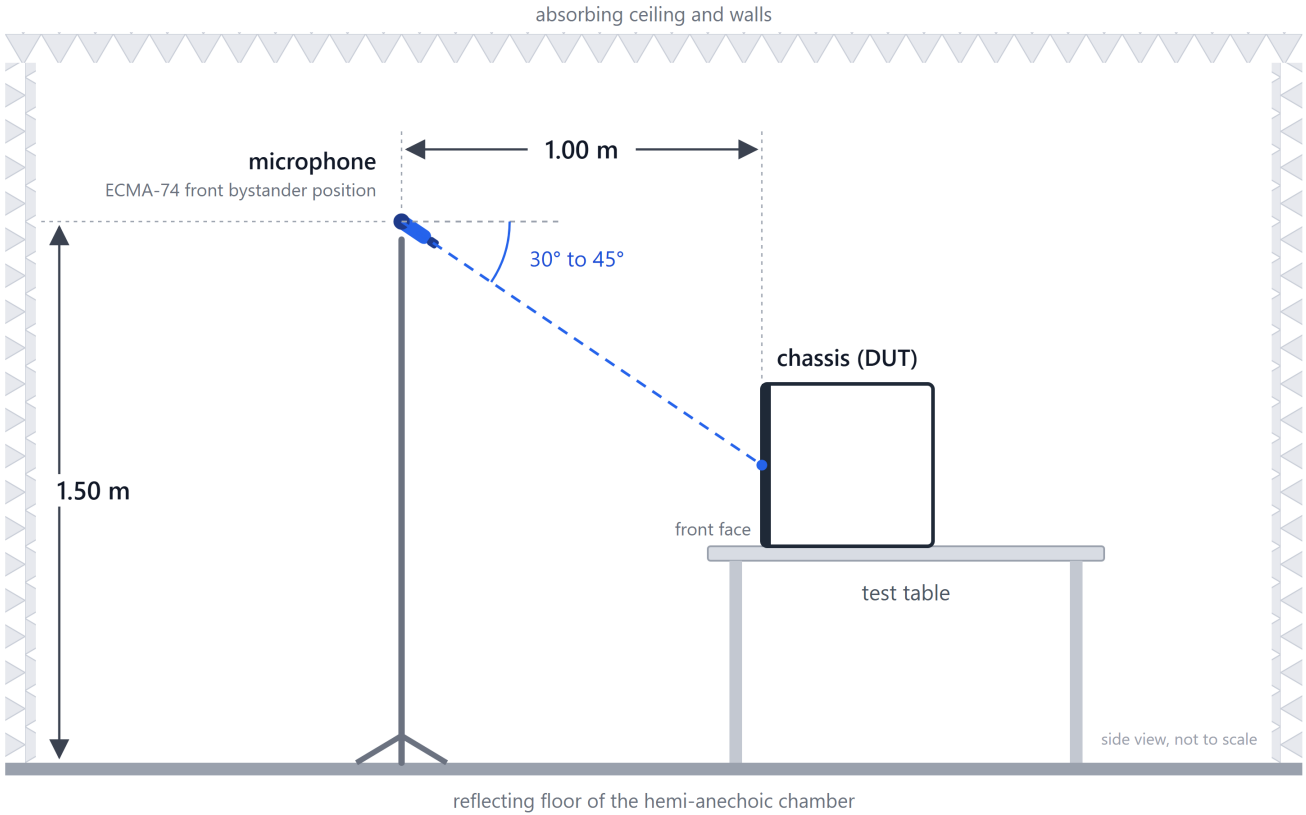
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

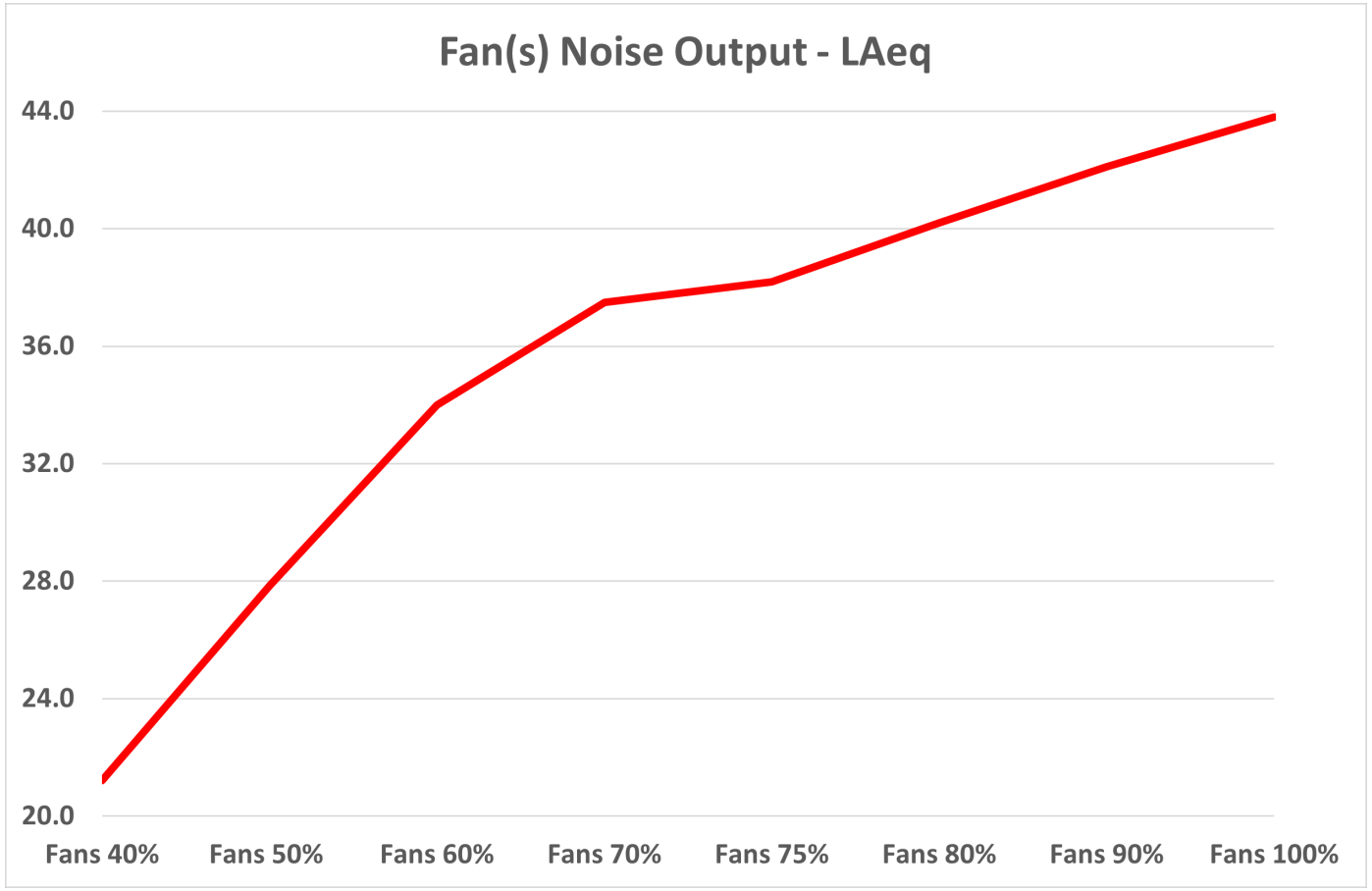
Brand	Corsair
Product Name	2500D Airflow
Type	Mid Tower / Dual Chamber
Dimensions (LxWxH)	469 x 304 x 376mm
Motherboard Support	Mini-ITX, Micro-ATX
Removable Motherboard Tray	No
Front Door/Cover	No
Materials	Steel, Plastic, Tempered Glass
Expansion Slots	8x
Drive Bays	[3.5 "] 2x Internal [2.5"] 4x Internal
I/O Panel	1x Power Button, 1x USB 3.2 Gen 2 Type-C, 2x USB 3.2 Gen 1 Type-A, 1x Audio in/out
Pre-installed Fan(s)	None (We used 4x Corsair RX 120mm fans for fan noise measurements)
Fan Support	[Top] 3x 120mm / 2x 140mm [Bottom] 3x 120mm / 2x 140mm [Front] 2x 120/ 140mm [Rear] 1x 120mm
Fan/LED Controller	None
Radiator Support	[Front] 120 / 140 / 240 / 280mm [Top] 120 / 140 / 180 / 240 / 280 / 360mm [Bottom] 120 / 140 / 180 / 240 / 280 / 360mm [Rear] 120mm
CPU Cooler Height (Max)	180mm
VGA Length (Max)	400mm
PSU Length (Max)	280mm (secondary chamber)
Dust Filters	4x (Front, Top, Bottom, Side)
PSU Support	Bottom mount, ATX
Weight	11.84 kg

Warranty	2-years

Noise Measurements Test Set Up



Stock Fan(s) Noise Output – LAeq

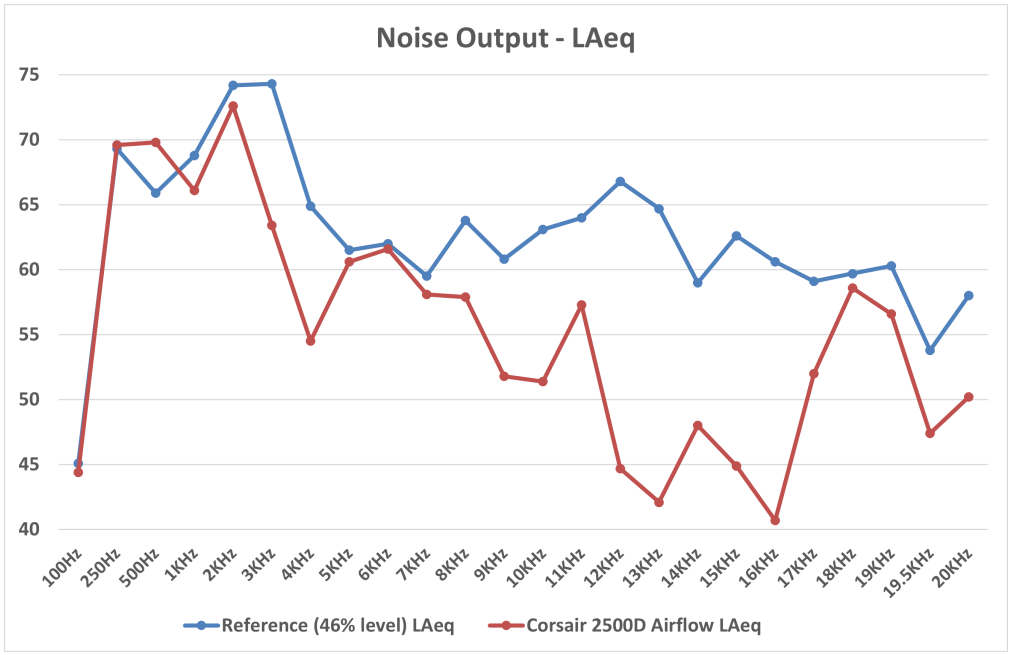


INFO

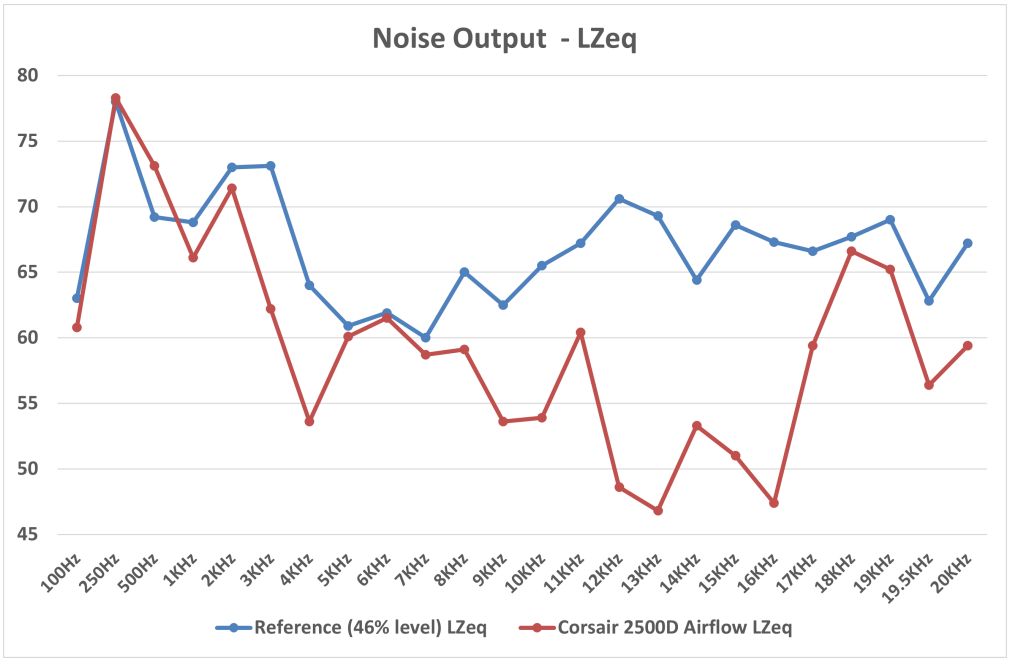
Fan Noise Output from 40% to 100% (4x iCUE LINK RX120 RGB)

Noise Output

LAeq

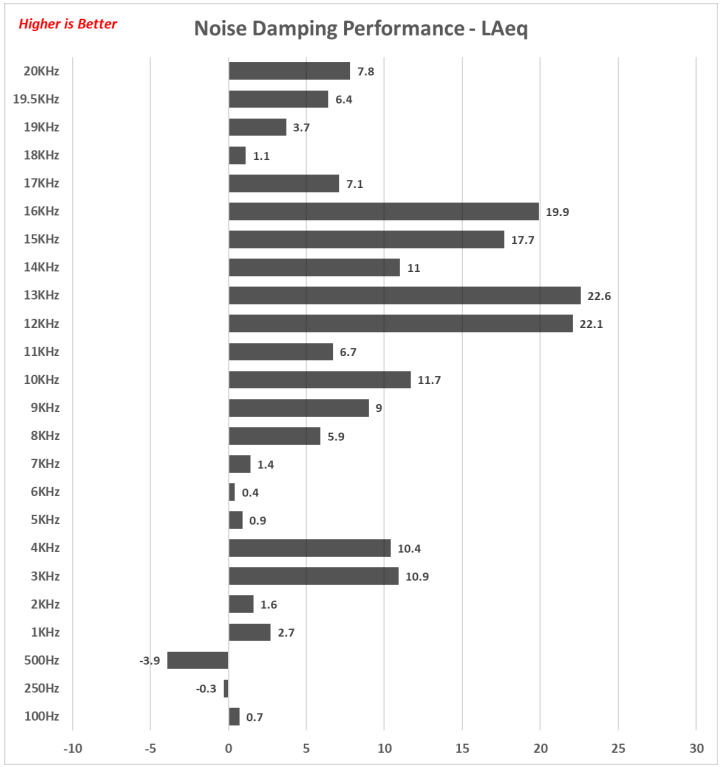


LZeq

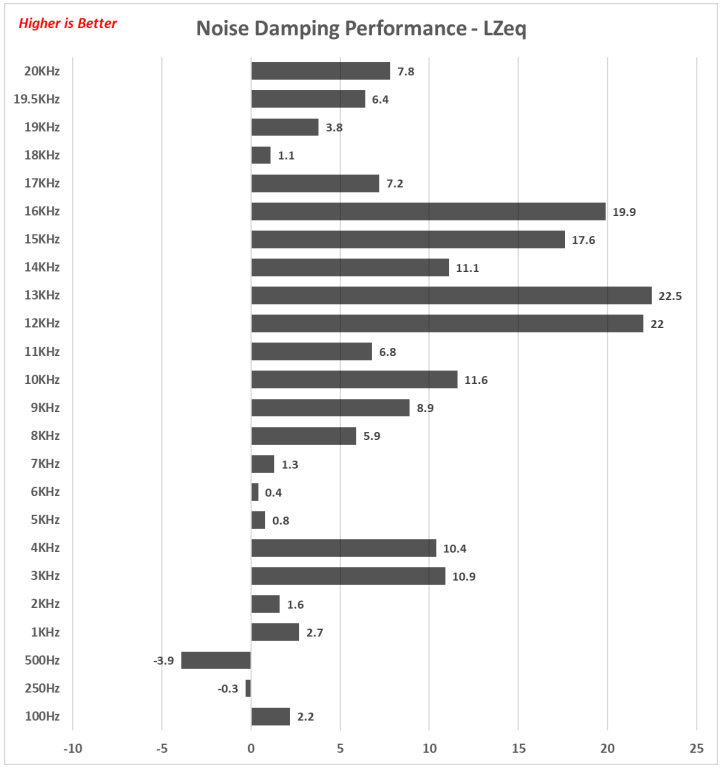


Noise Dampening Performance – Test Tones

LAeq

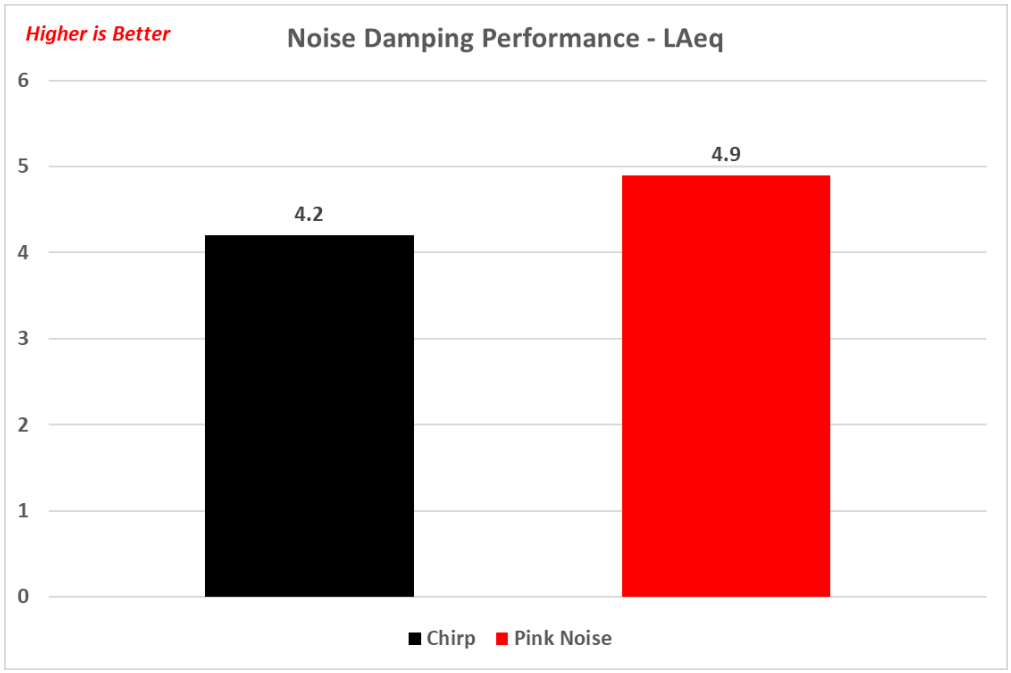


LZeq

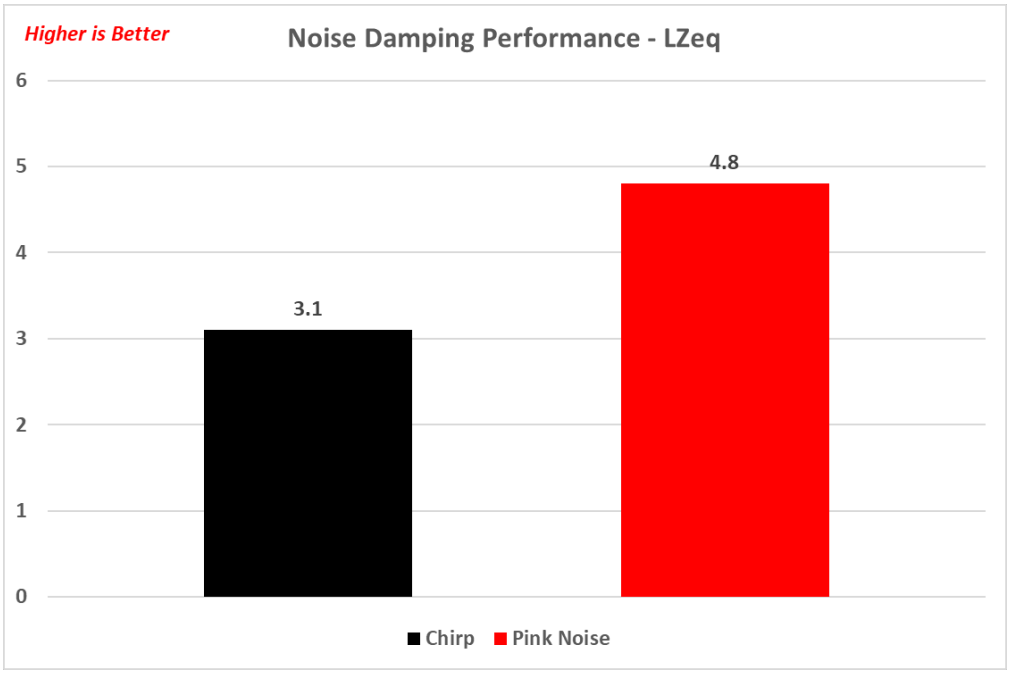


Noise Dampening Performance – Pink & Chirp

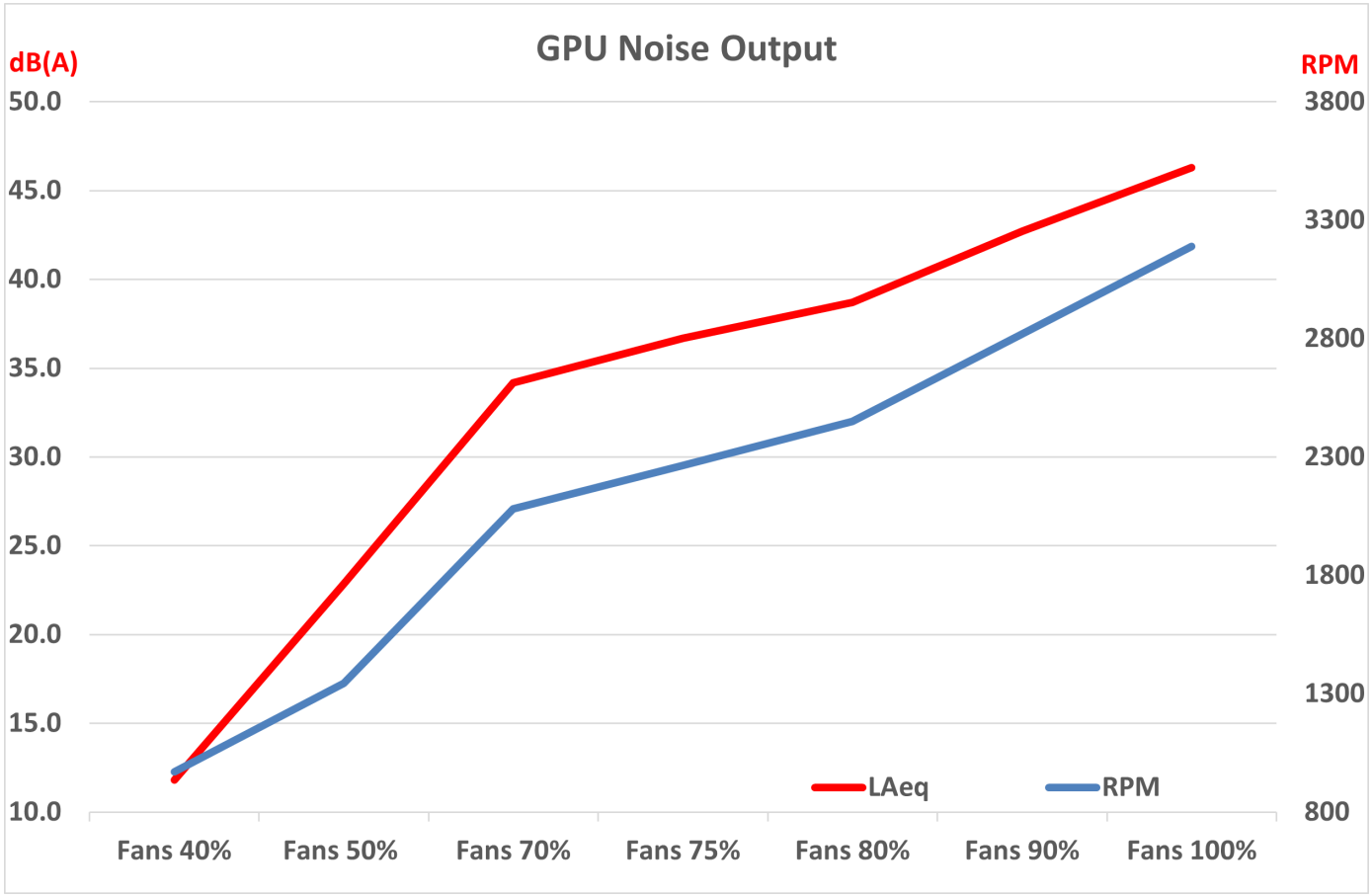
LAeq



LZeq



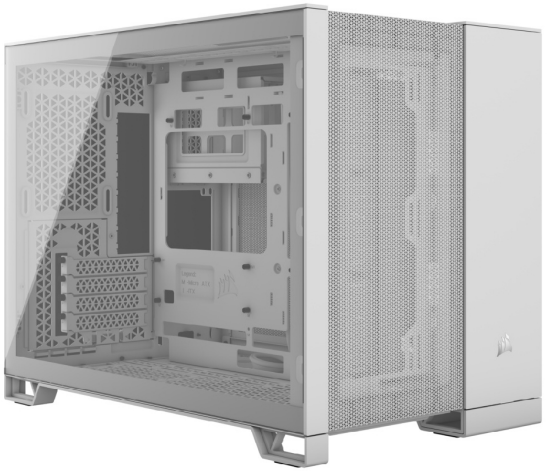
GPU Fan(s) Noise Output – Laeq



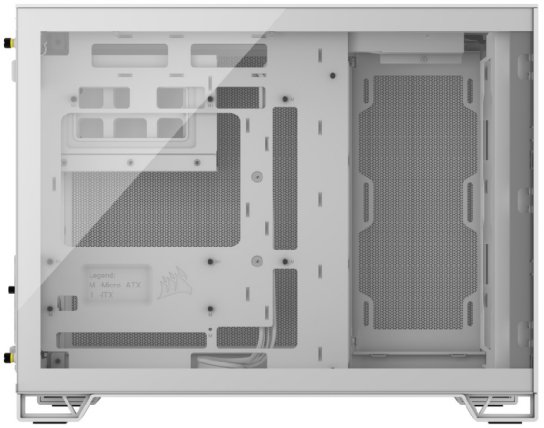
INFO

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

Corsair 2500D Airflow



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

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com