Corsair FRAME 4500X LX-R RGB

Lab ID CRCAS00164

Report ID: 2895

Report Date: Oct 30, 2025

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, 9.4 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

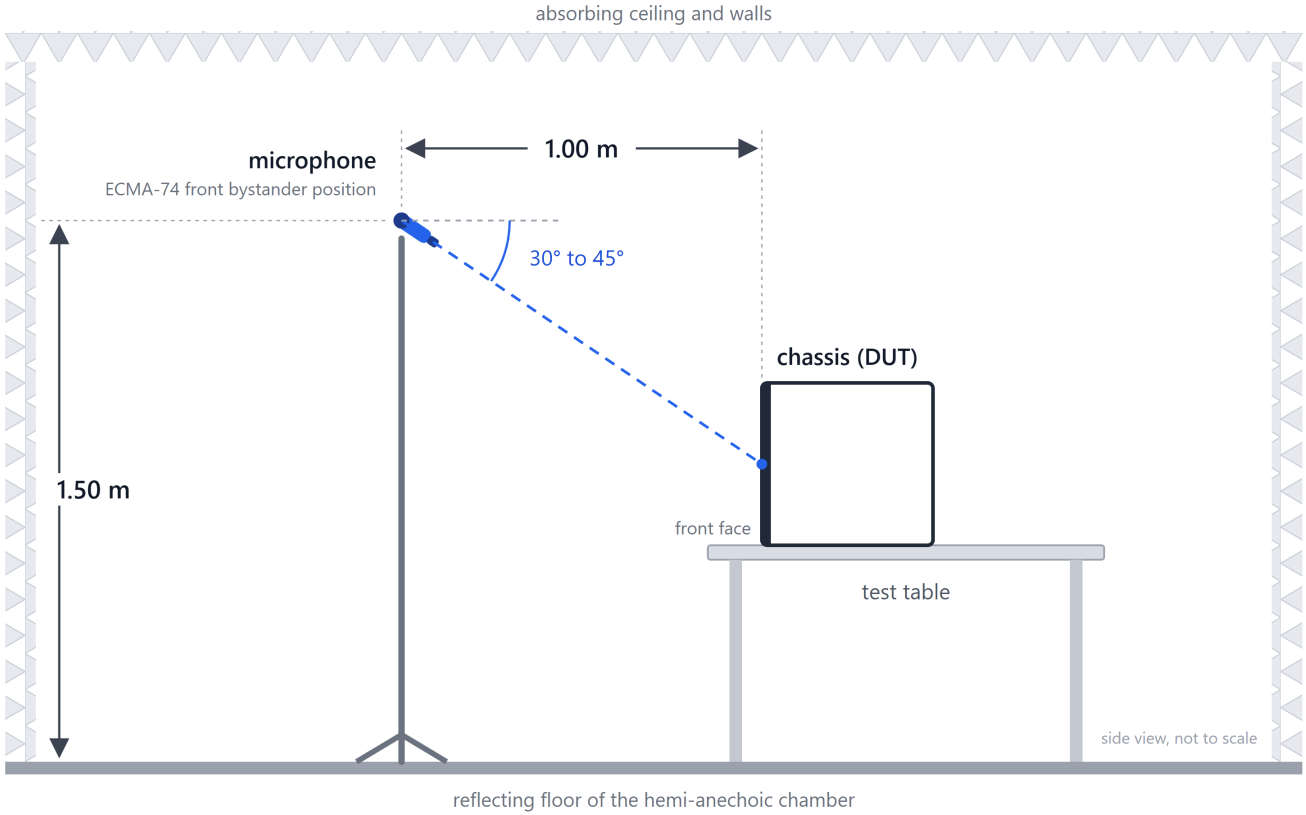
Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity

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

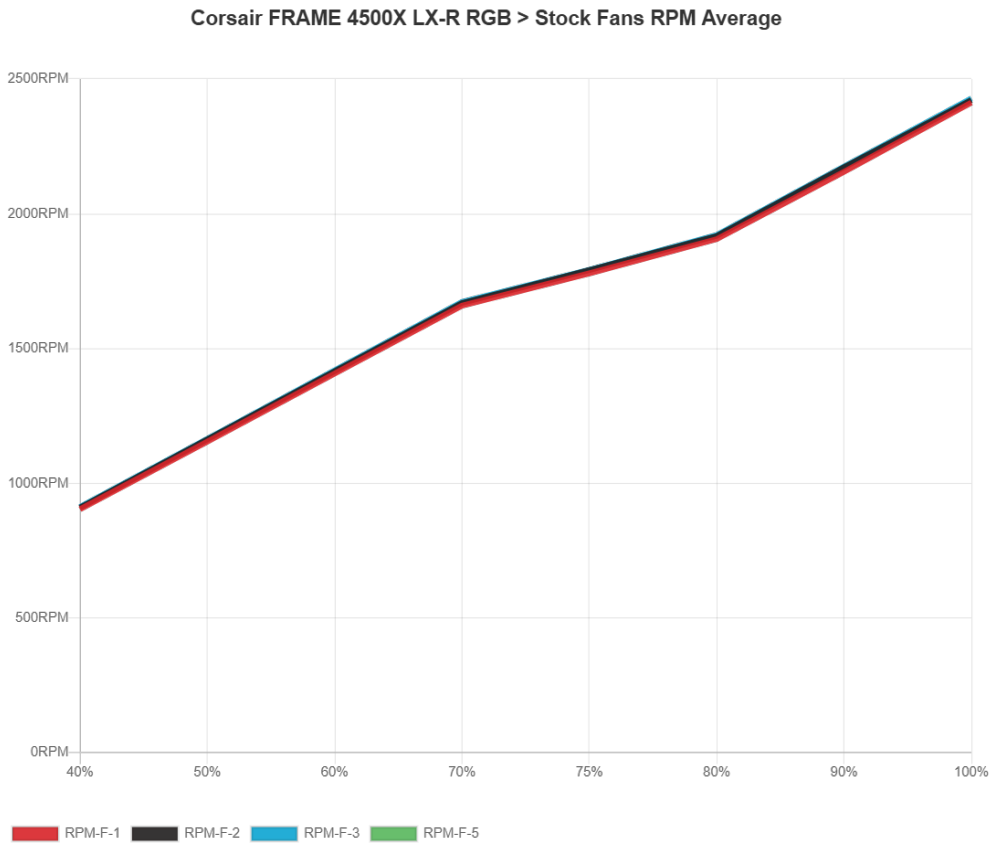
Technical Specifications Table

Brand	Corsair
Product Name	FRAME 4500X LX-R RGB
Type	Midi Tower
Dimensions (LxWxH)	499 x 246 x 478mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX, E-ATX (with back-connector support)
Removable Motherboard Tray	Yes
Front Cover	Tempered Glass
Materials Body	Steel, Plastic, Tempered Glass
Materials Side Panel	**Left:** Tempered Glass **Right:** Steel
Expansion Slots	7x
Drive Bays	**5.25":** - **3.5 " :** 1x Internal **2.5" :** 2x Internal
I/O Panel	1x USB 3.2 Gen 2 Type-C, 1x USB 3.2 Gen 1 Type-C, 1x Combo Audio Jack, 1x Power Button
Pre-installed Fan(s)	**Side:** 3x 120mm
Fan Support	**Top:** 3x 120mm / 2x 140mm **Bottom:** 3x 120mm / 1x 140mm **Side:** 3x 120mm / 2x 140mm **Rear:** 1x 120mm / 1x 140mm
Fan Bearing Type	FDB
Fan Power Connector	iCue
LED Controller	Yes (iCue Link)
Radiator Support	**Top:** 120 / 140 / 240 / 280 / 360mm **Side:**120 / 140 / 240 / 280 / 360mm **Rear:** 120 / 140mm
CPU Cooler Height (Max)	185mm
VGA Length (Max)	460mm
PSU Length (Max)	250mm
Behind MB Tray Clearance/Cable Management Support	37mm
Dust Filters	Side, Bottom
PSU Support	ATX
Weight	11.68 kg
Warranty	2-years

Noise Measurements Test Set Up



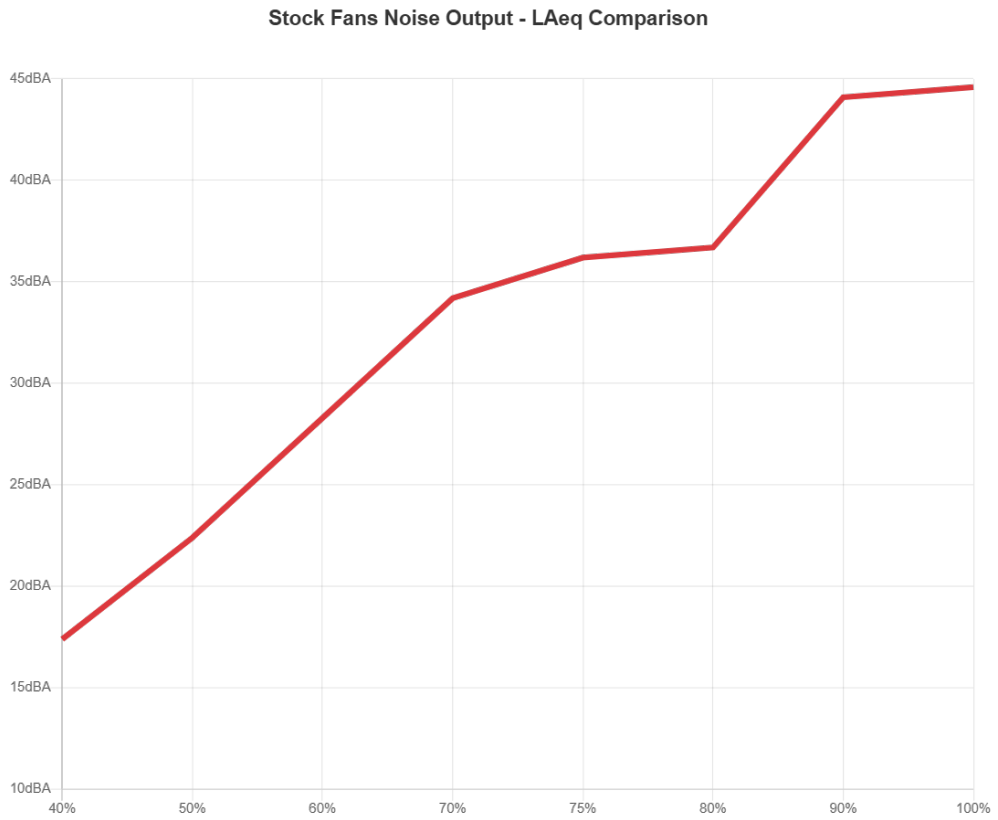
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output – LAeq



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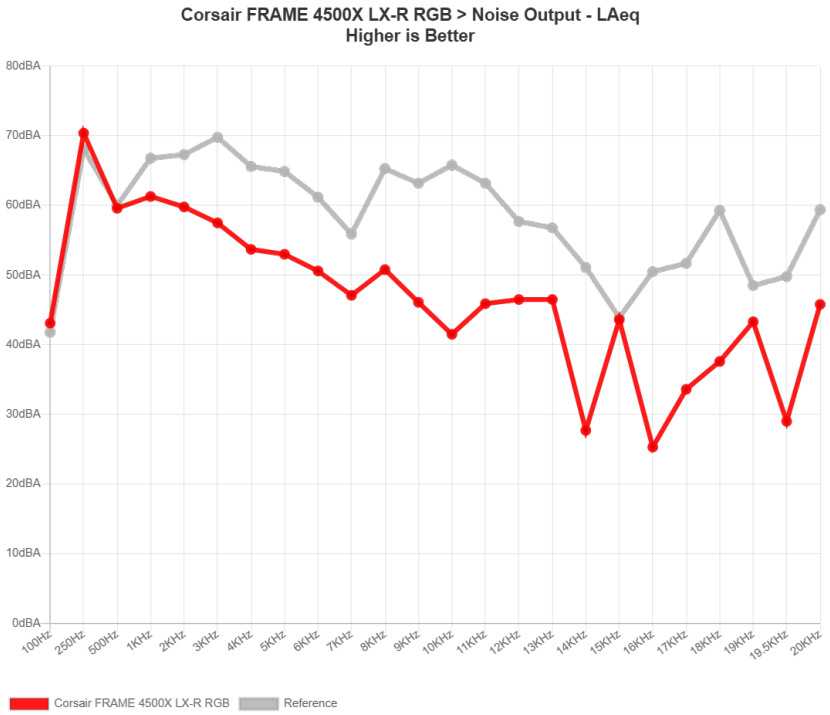
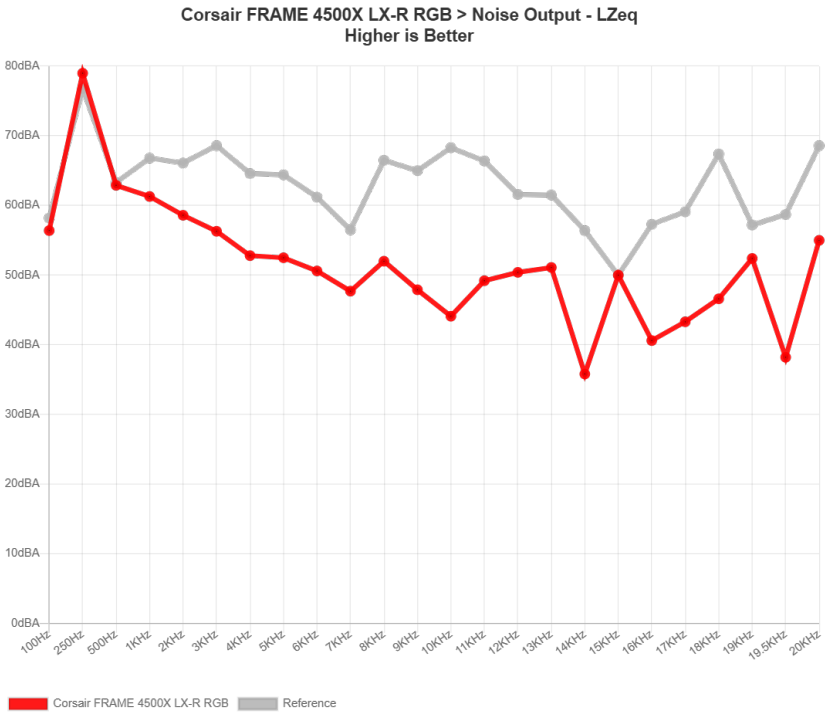
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

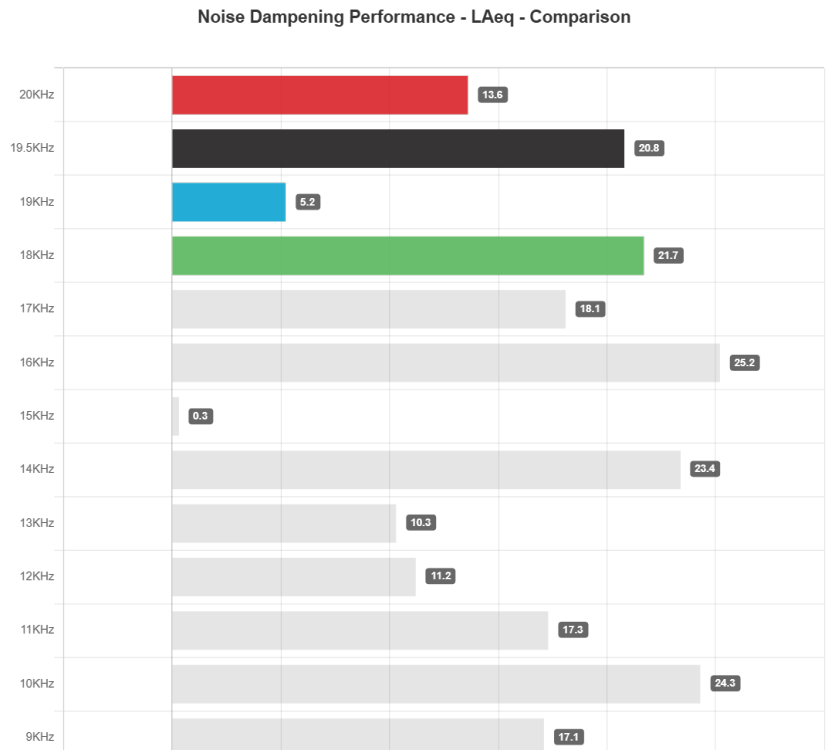


LZeq

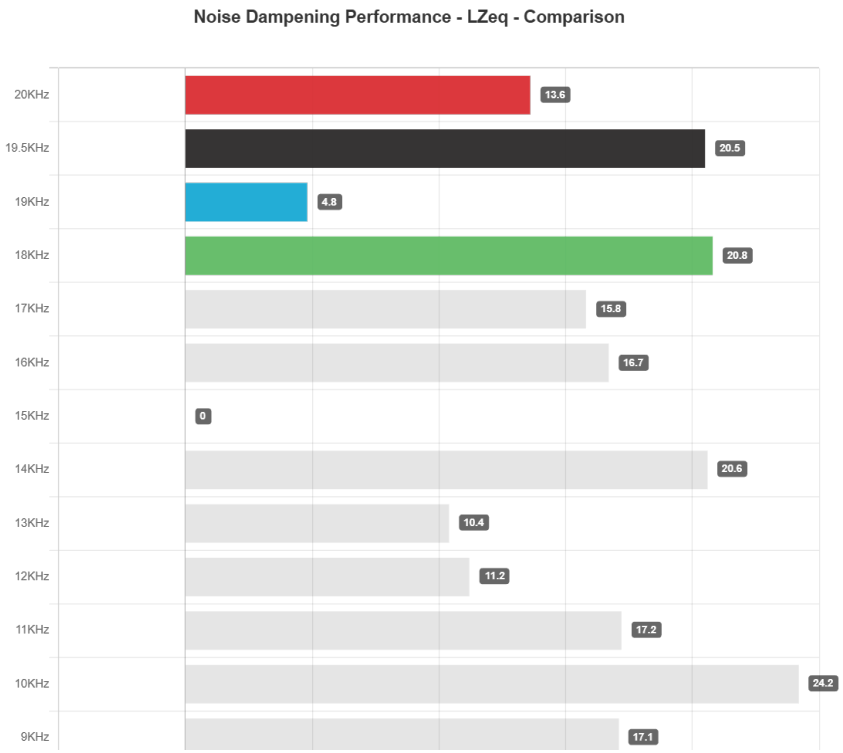


Noise Dampening Performance – Test Tones

LAeq

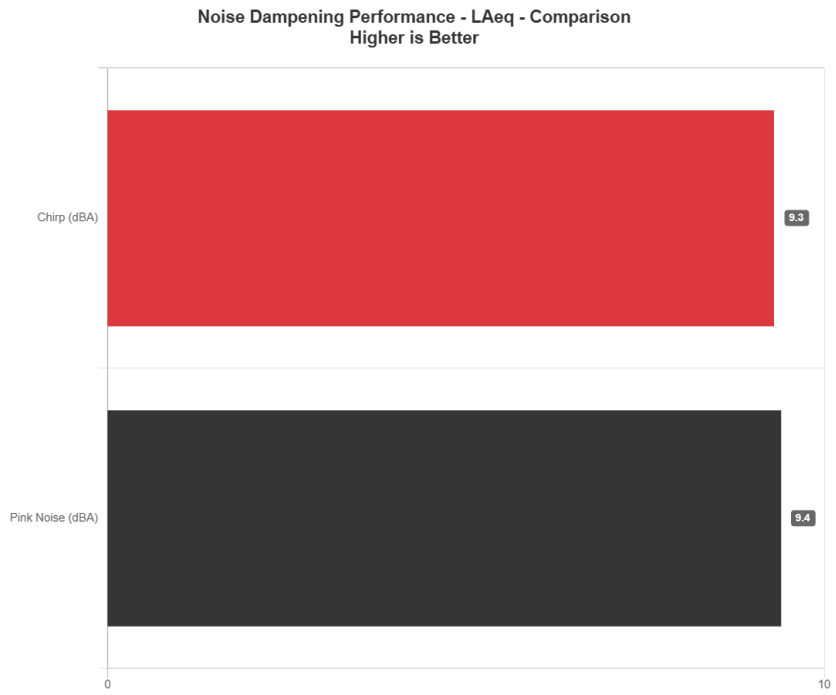


LZeq

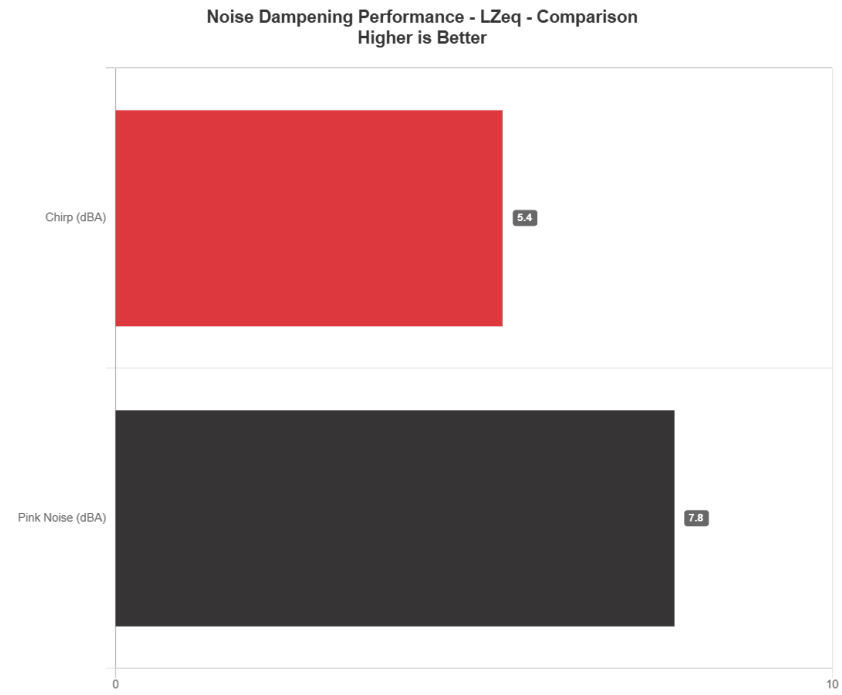


Noise Dampening Performance – Pink & Chirp

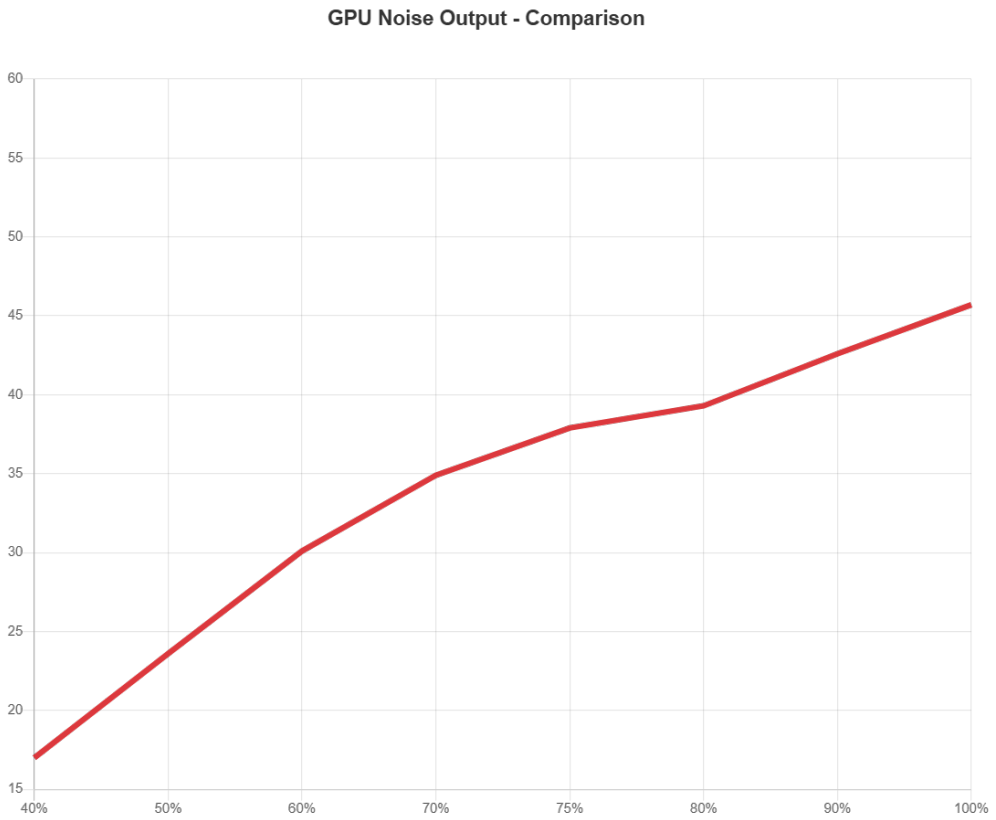
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

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

Corsair FRAME 4500X LX-R RGB



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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