XPG Invader X BTF

Lab ID ADCAS00140

Report Date: Sep 12, 2024

Scheme: DELTA

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, 5.8 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

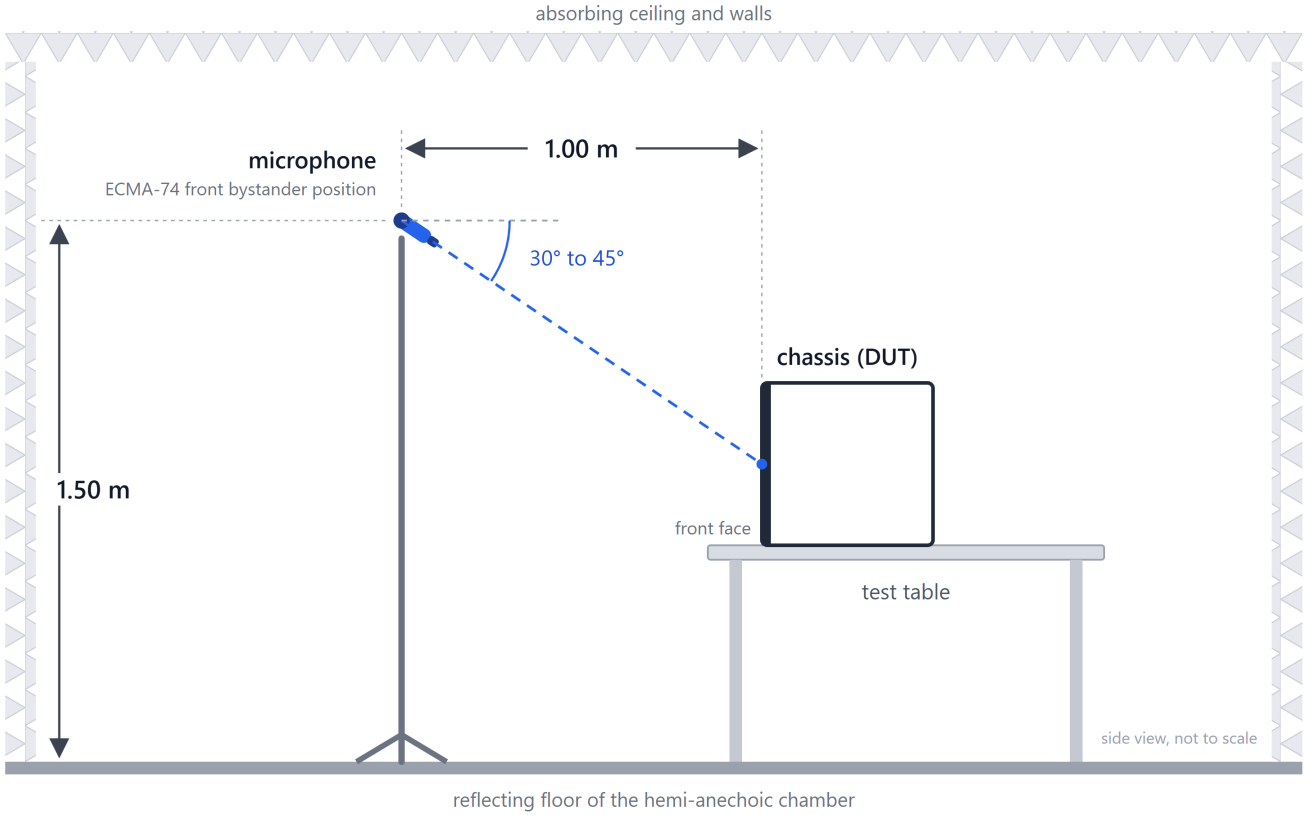
Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity

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

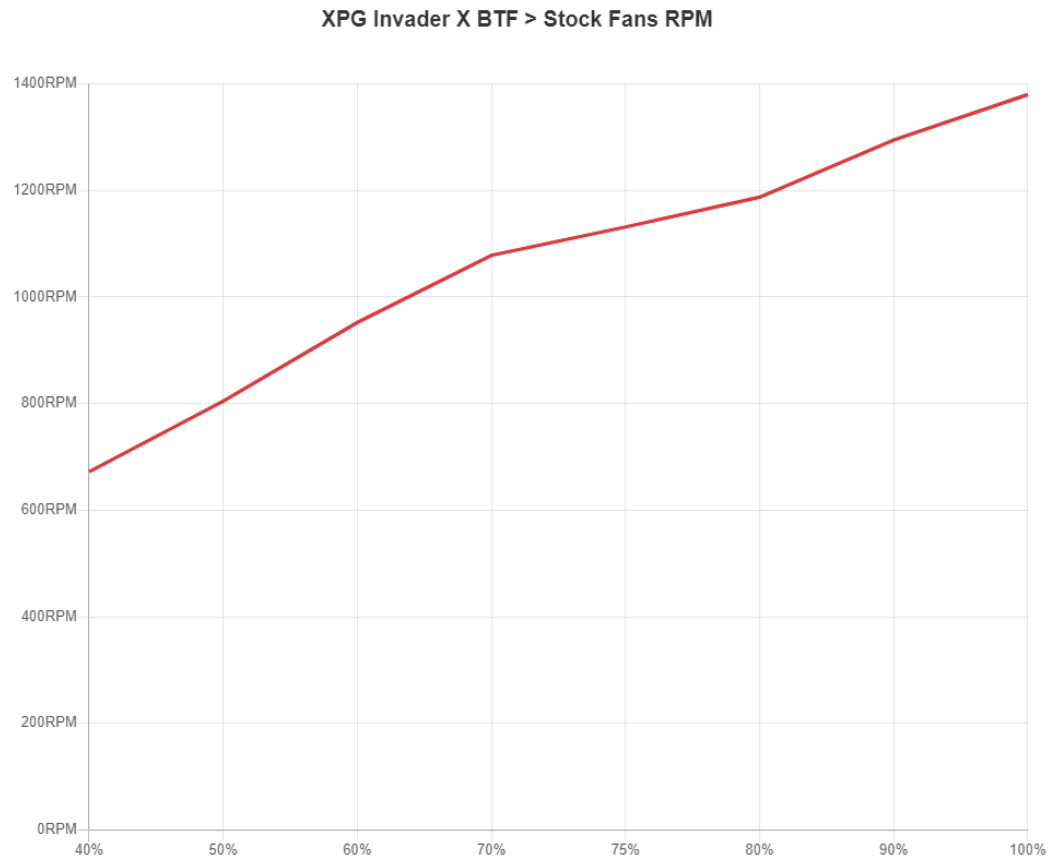
Technical Specifications Table

Brand	XPG
Product Name	Invader X BTF
Type	Midi Tower
Dimensions (LxWxH)	448 x 245 x 485mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX
Removable Motherboard Tray	No
Front Cover	Tempered Glass
Materials Body	SPCC, 3mm tempered glass
Materials Side Panel	**Left:** Tempered Glass **Right:** Steel
Expansion Slots	7x (Horizontal) / 4x (Vertical)
Drive Bays	**3.5"/ 2.5":** 3x Internal (Total)
I/O Panel	USB 3.2 Gen2 Type-C x 1, USB 3.2 Type-A x 2, Combo Audio Port x 1, Power Button x 1, Reset Button x 1
Pre-installed Fan(s)	**Side:** 3x 120mm (Reverse Blade) VENTO 120 ARGB **Rear:** 1x 120mm VENTO 120 ARGB **Bottom:** 1x 120mm (Reverse Blade) VENTO 120 ARGB
Fan Support	**Side:** 3x 120mm **Top:** 3x 120mm / 2x 140mm **Rear:** 1x 120mm / 1x 140mm **Bottom:** 1x 120mm / 1x 140mm
Fan Bearing Type	Rifle
Fan Power Connector	3-Pin
LED Controller	No
Radiator Support	**Side:** 120 / 240 / 360mm **Top:**120 / 140 / 240 / 280 / 360mm **Rear:** 120 / 140mm
CPU Cooler Height (Max)	175mm
VGA Length (Max)	400mm / 270mm (Horizontal GPU Mounting with side Radiator)
PSU Length (Max)	240mm
Behind MB Tray Clearance/Cable Management Support	30mm
Dust Filters	Top, Side, Bottom
PSU Support	ATX
Weight	8.95 kg
Warranty	2-years

Noise Measurements Test Set Up



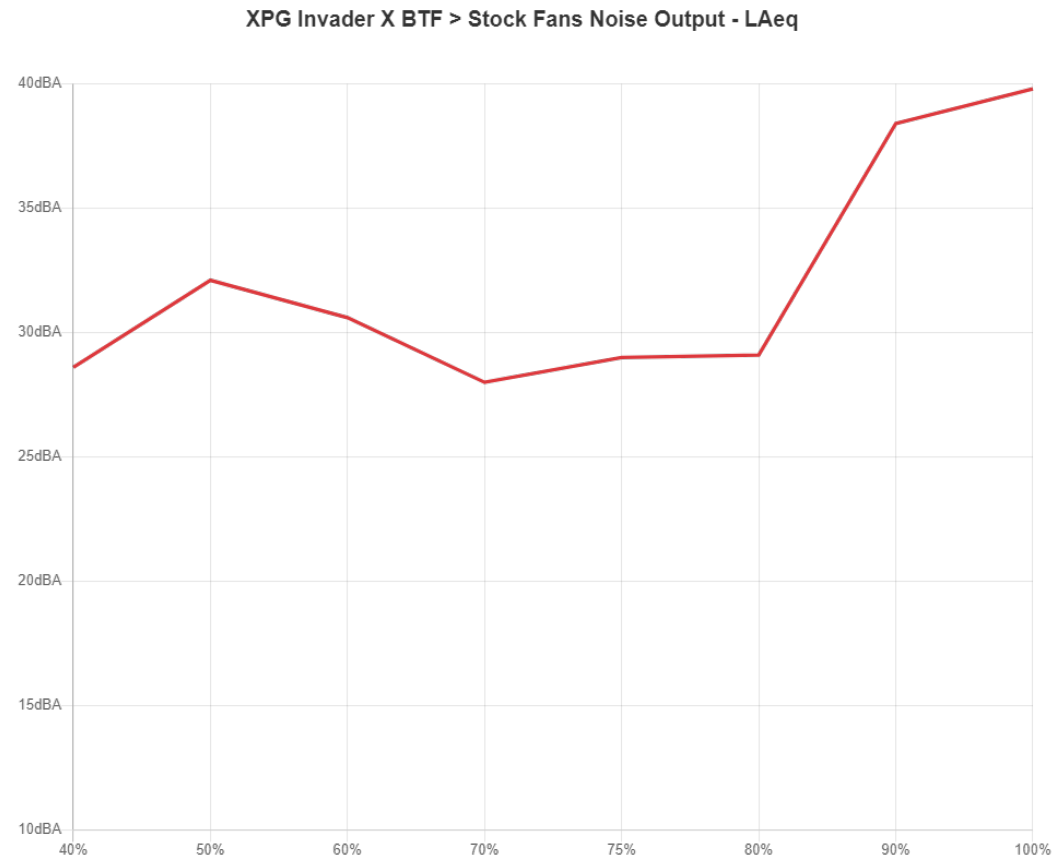
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output – LAeq

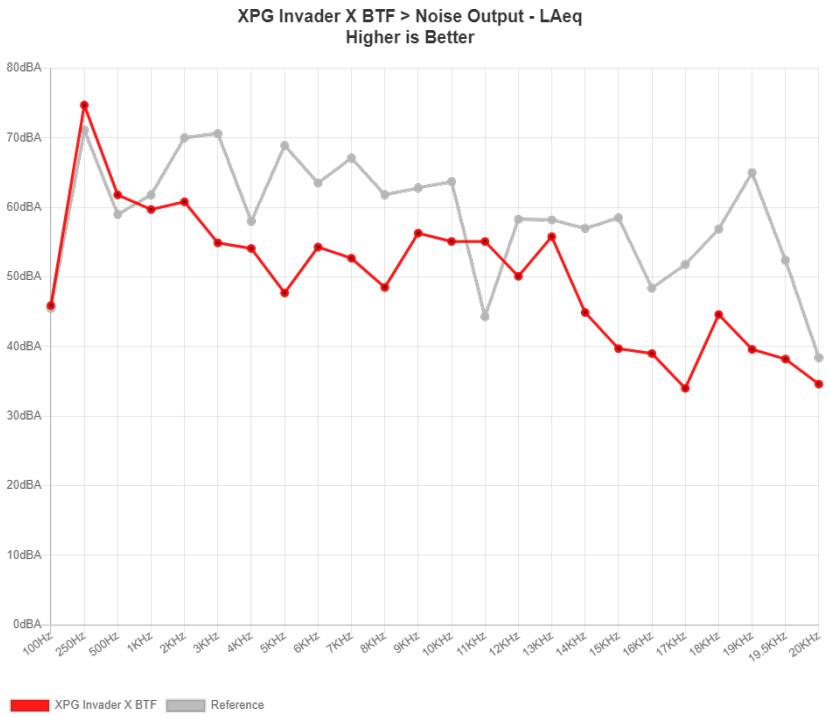


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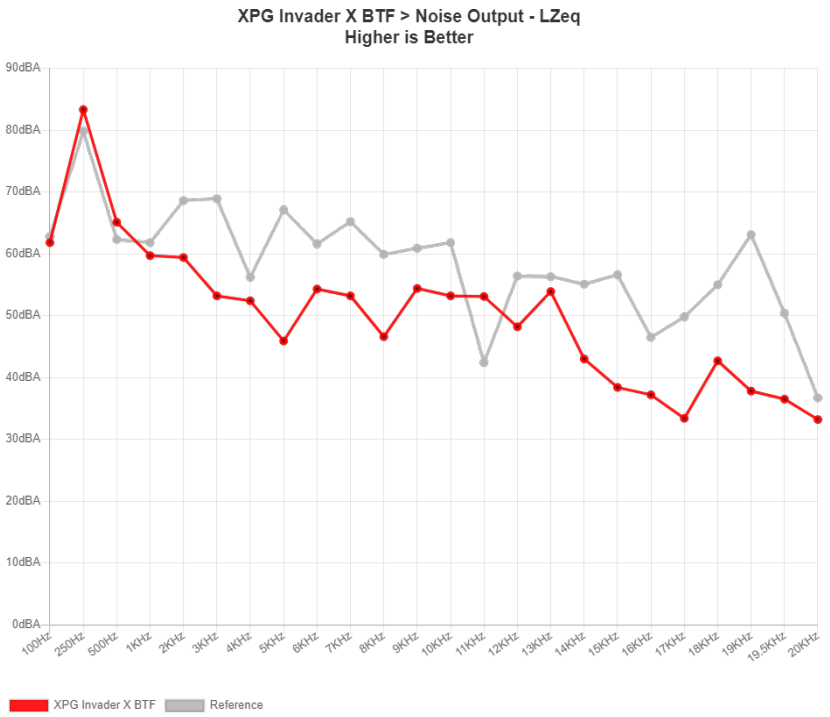
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq



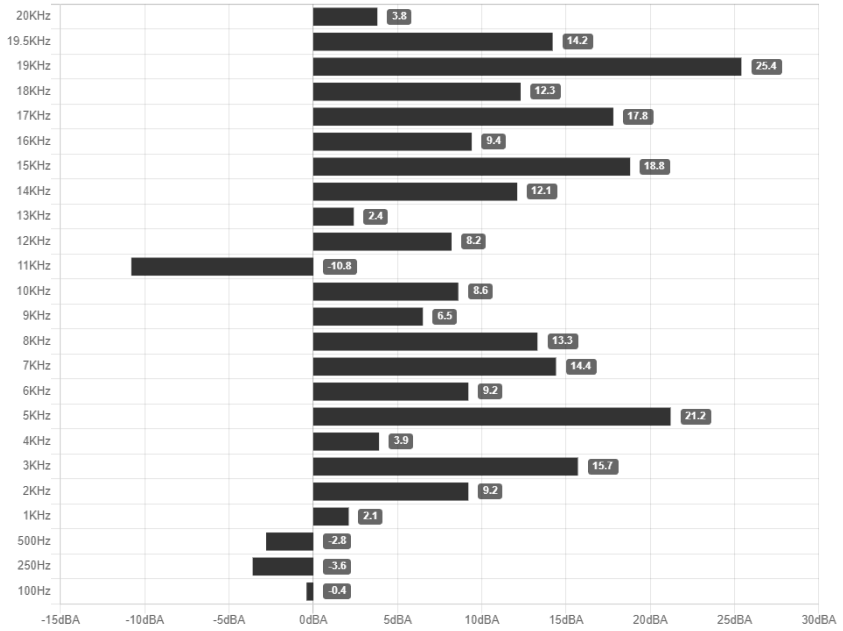
LZeq



Noise Dampening Performance – Test Tones

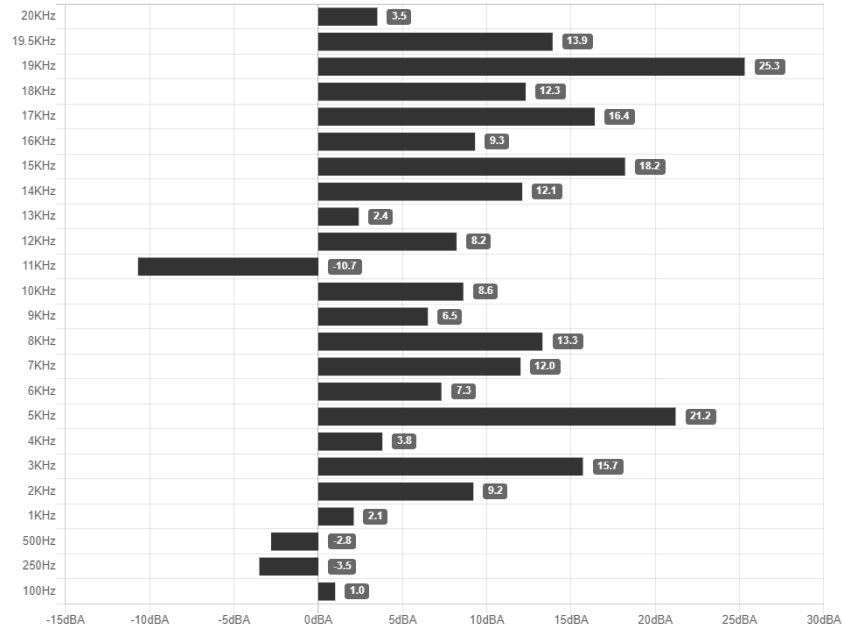
LAeq

XPG Invader X BTF > Noise Dampening Performance - LAeq



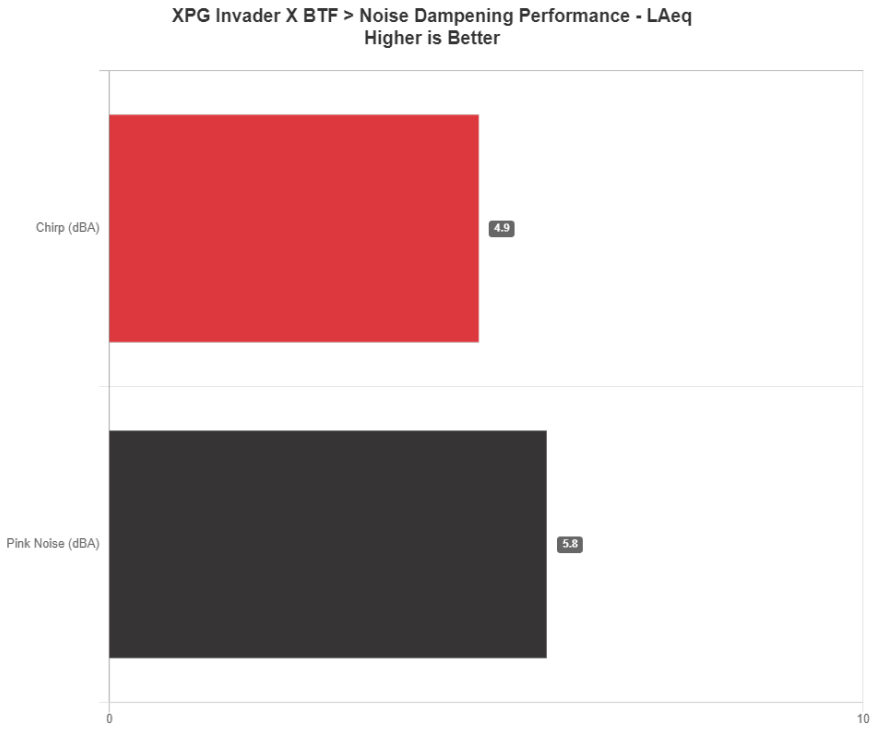
LZeq

XPG Invader X BTF > Noise Dampening Performance - LZeq

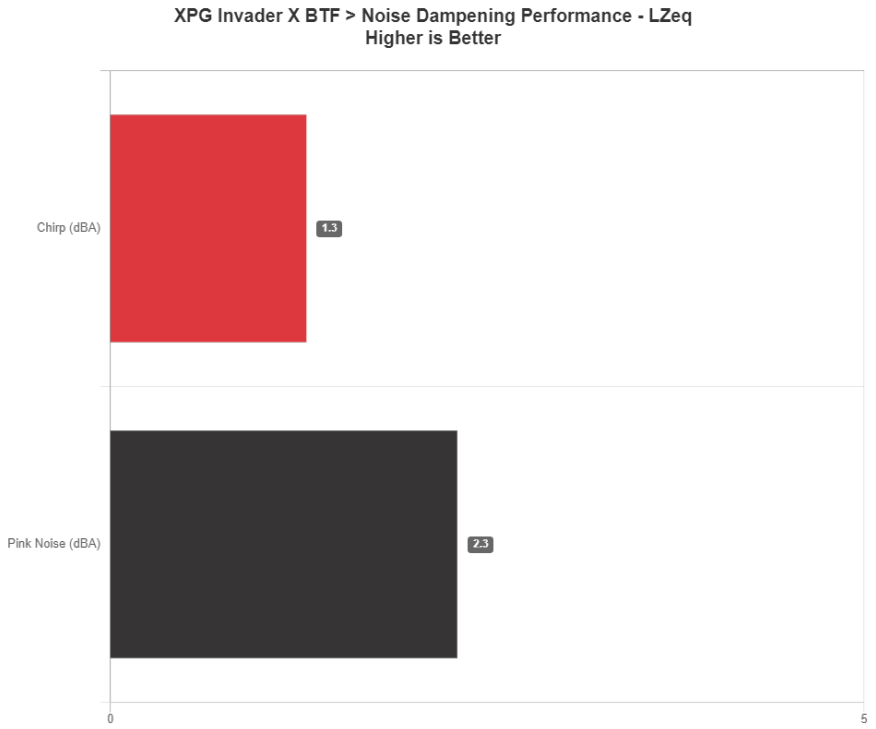


Noise Dampening Performance – Pink & Chirp

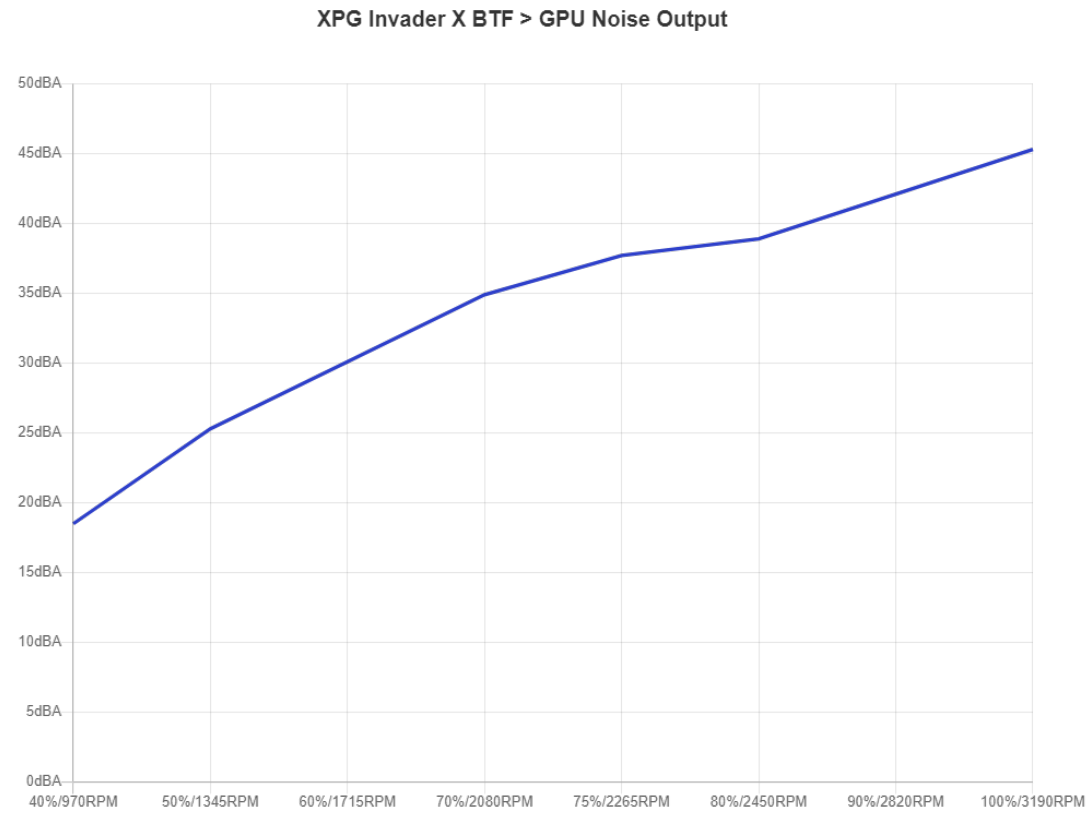
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

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

XPG Invader X BTF





Case Photo Case Photo #2

Cybenetics 提供自願性認證方案：電源供應器方面有 ETA（效率）、 LAMBDA（噪音）與 SAFE（安全與正確運作）；散熱產品方面有 DELTA（機殼隔音）與 PHI（風扇風量與靜壓）

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus www.cybenetics.com - info@cybenetics.com