

Evaluation Report

Cooler Master Cosmos C700P Black Edition



TEST EQUIPMENT

Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity
Sound Analyzer	Brüel & Kjær 2270-S G4 & 2250-L G4
Microphone	Brüel & Kjær Type 4955-A
Mic Calibrator	Brüel & Kjær Type 4231
Data Logger	Picoscope TC-08

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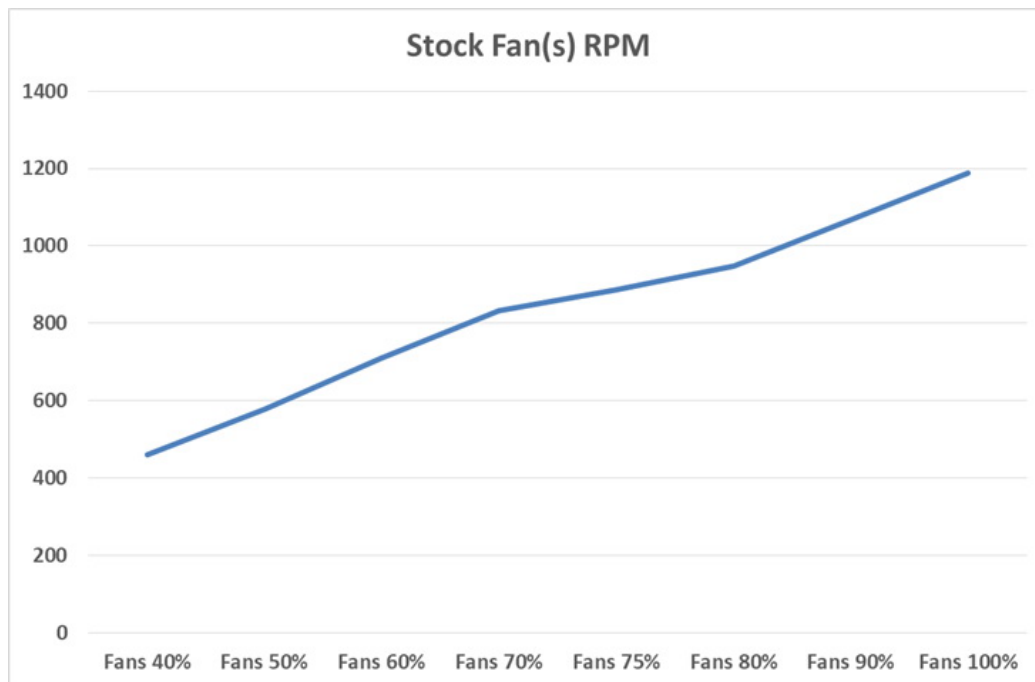
TECHNICAL SPECIFICATIONS TABLE

Brand	Cooler Master
Product Name	Cosmos C700P Black Edition
Type	Full Tower
Dimensions (LxWxH)	630 x 300 x 651mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX, E-ATX
Removable Motherboard Tray	Yes
Front Door/Cover	Yes
Materials Body	Steel, Tempered Glass
Materials Side Panel	Left: Tempered Glass Right: Steel
Expansion Slots	8x
Drive Bays	5.25": 1x Internal 3.5 " : 4x Internal 2.5" : 5x Internal
I/O Panel	1x USB 3.1 Gen 2 Type-C, 4x USB 3.0, 1x audio jack, 1x mic jack, Power Button, Reset Button, Fan Speed Button, RGB Control Button
Pre-installed Fan(s)	Front: 2x 140mm Rear: 1x 140mm Top: -
Fan Support	Front: 3x 120mm / 3x 140mm Top: 3x 120mm / 3x 140mm Rear: 1x 120mm / 1x 140mm Bottom: 2x 120mm / 2x 140mm
Fan Bearing Type	Double Ball
Fan Power Connector	3-Pin
Fan/LED Controller	2-stage fan controller & RGB button
Radiator Support	Front: 120/140/240/280/360/420mm(requires removal of ODD cage) Top: 120/140/240/280/360/420mm (remove ODD) Rear: 120/140mm Bottom: 120/140/240mm
CPU Cooler Height (Max)	198mm
VGA Length (Max)	398/490mm (with out 3.5" HDD cage)
PSU Length (Max)	270mm
Behind MB Tray Clearance/Cable Management Support	25-30mm
Dust Filters	Top, Front, Bottom
PSU Support	Bottom Mount, ATX
Weight	21.9kg
Warranty	2-years

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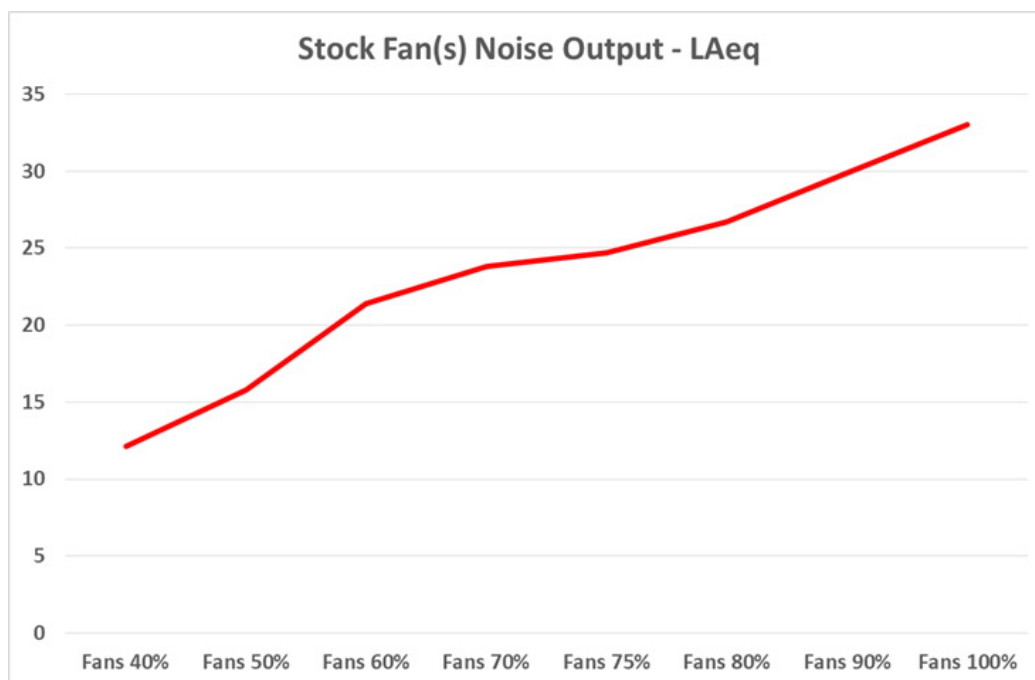
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output - LAeq



INFO

Stock Fan Noise Output from 40% to 100%

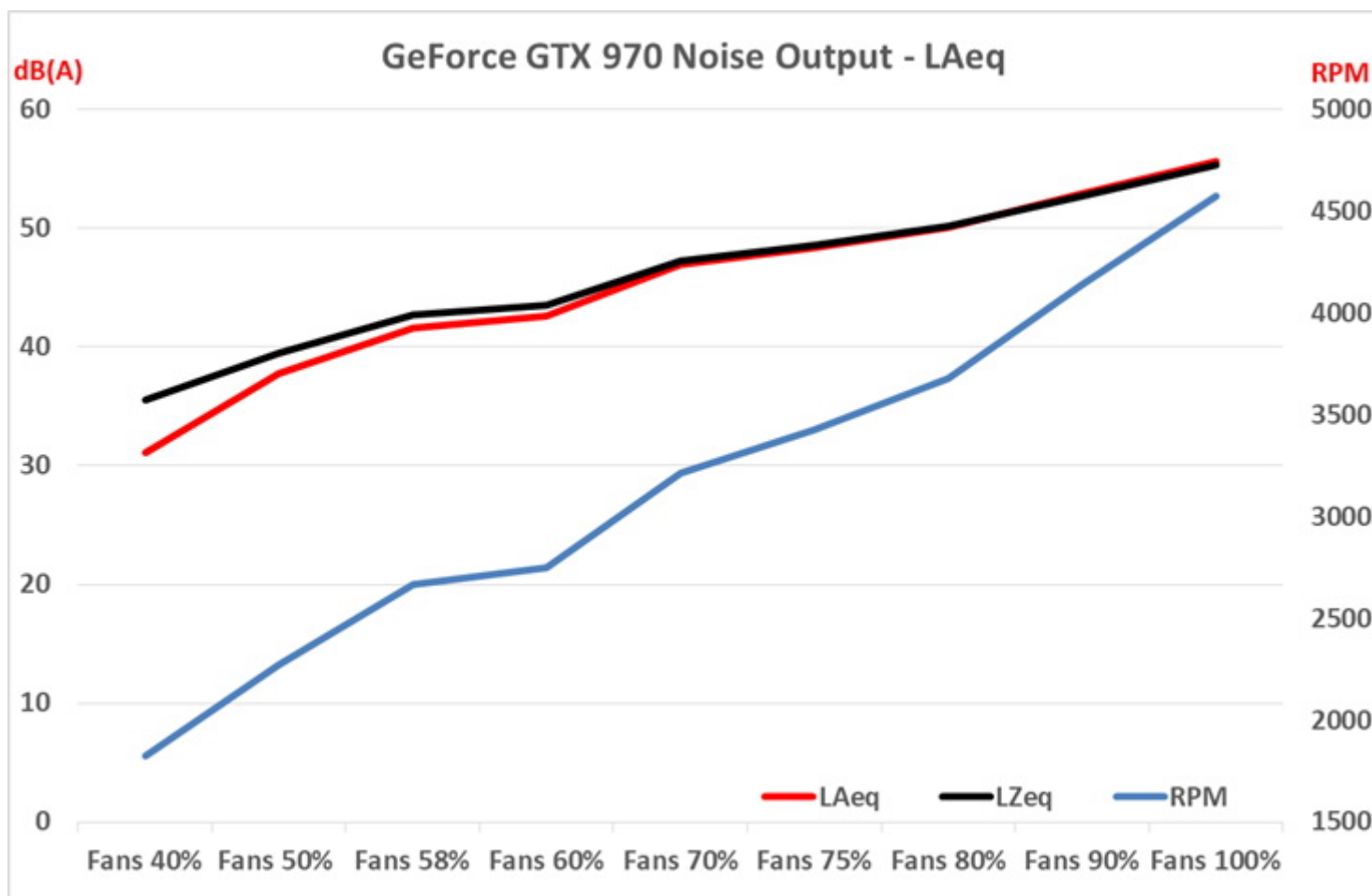
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GPU Fan(s) Noise Output - LAeq



NVIDIA GeForce GTX 970 Noise Output from 40% to 100% Fan Speed

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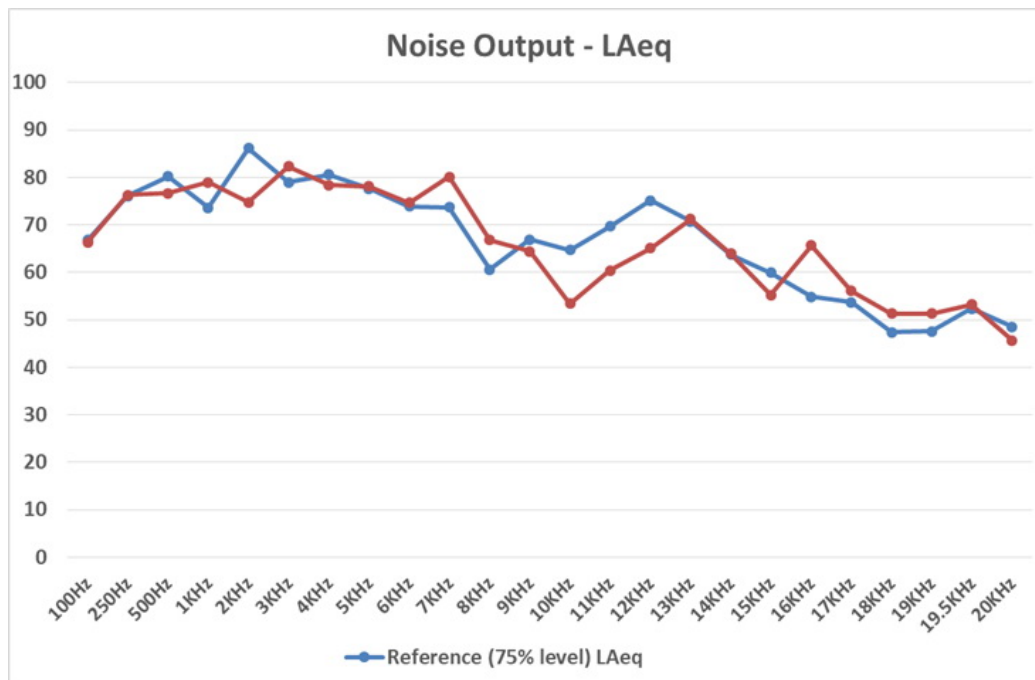
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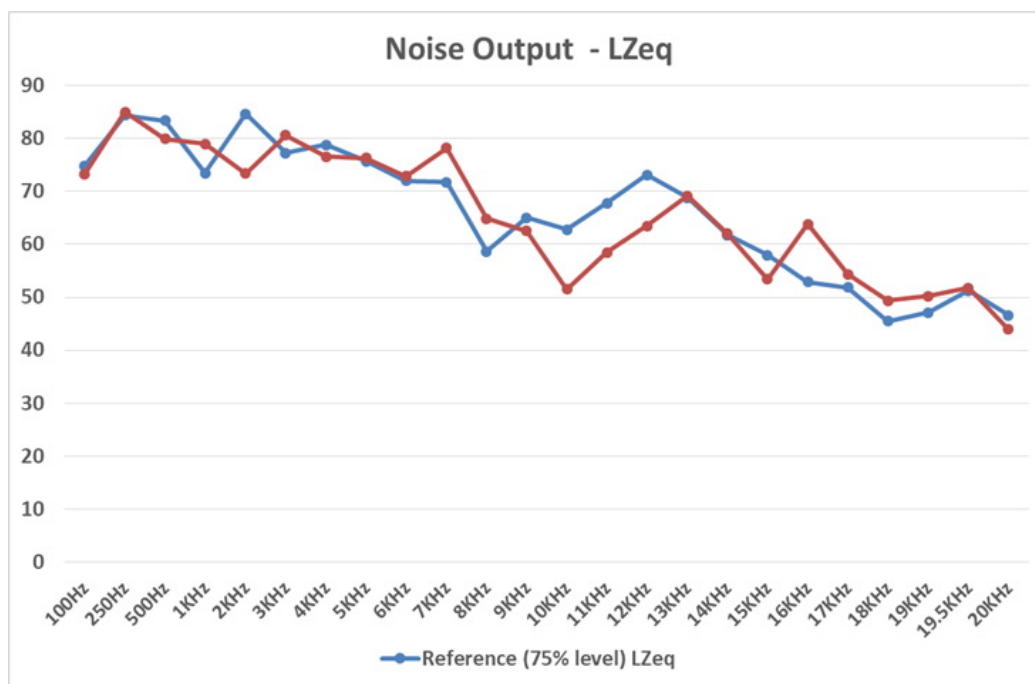
Noise Output LAeq - Test Tones



INFO

Noise Output in DB(A) from 100 Hz to 20 kHz

Noise Output LZeq - Test Tones



INFO

Noise Output in DB(Z) from 100 Hz to 20 kHz

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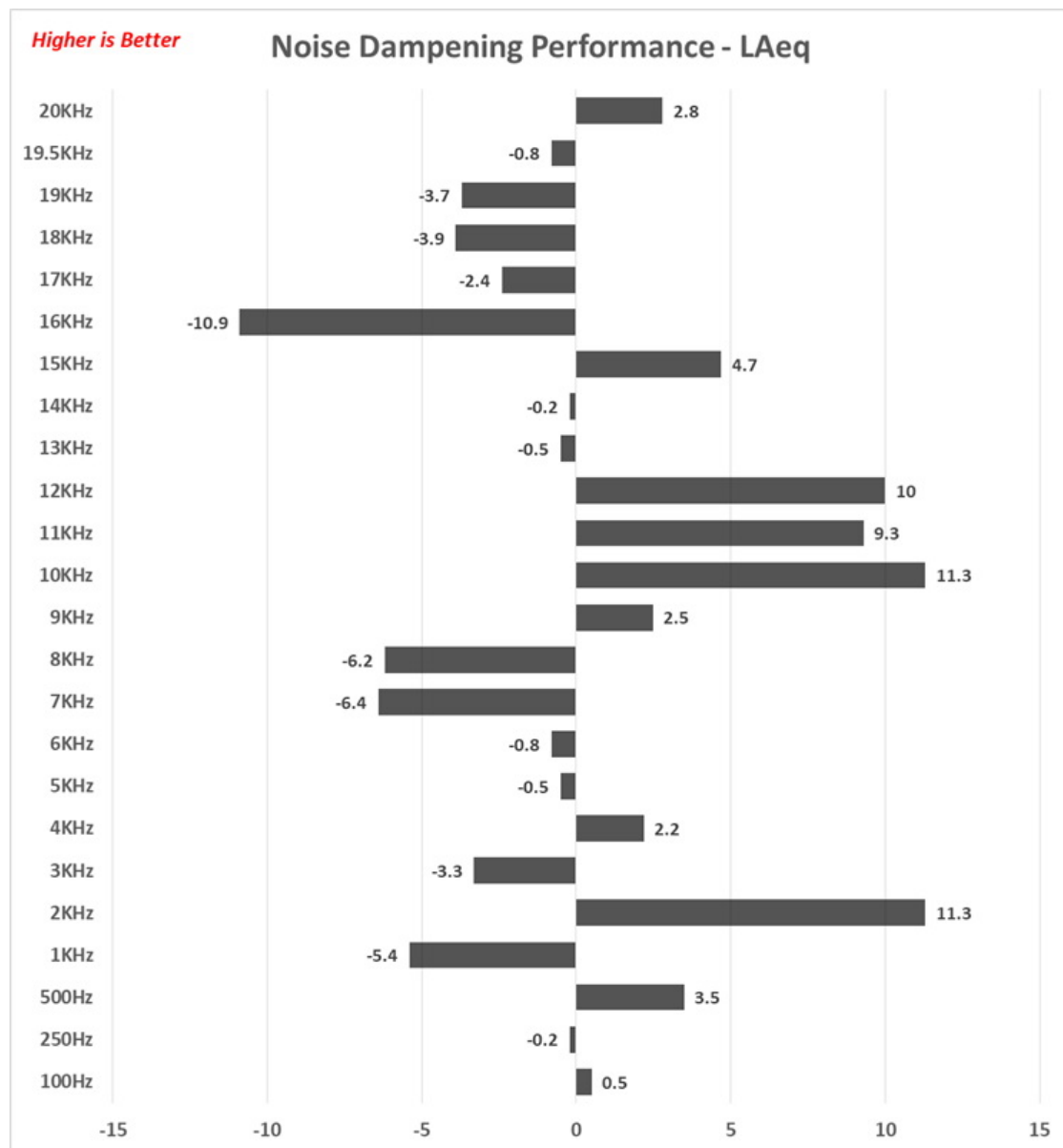
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Noise Dampening Performance LAeq - Test Tones



Noise Dampening Performance in dB(A) from 100 Hz to 20 kHz

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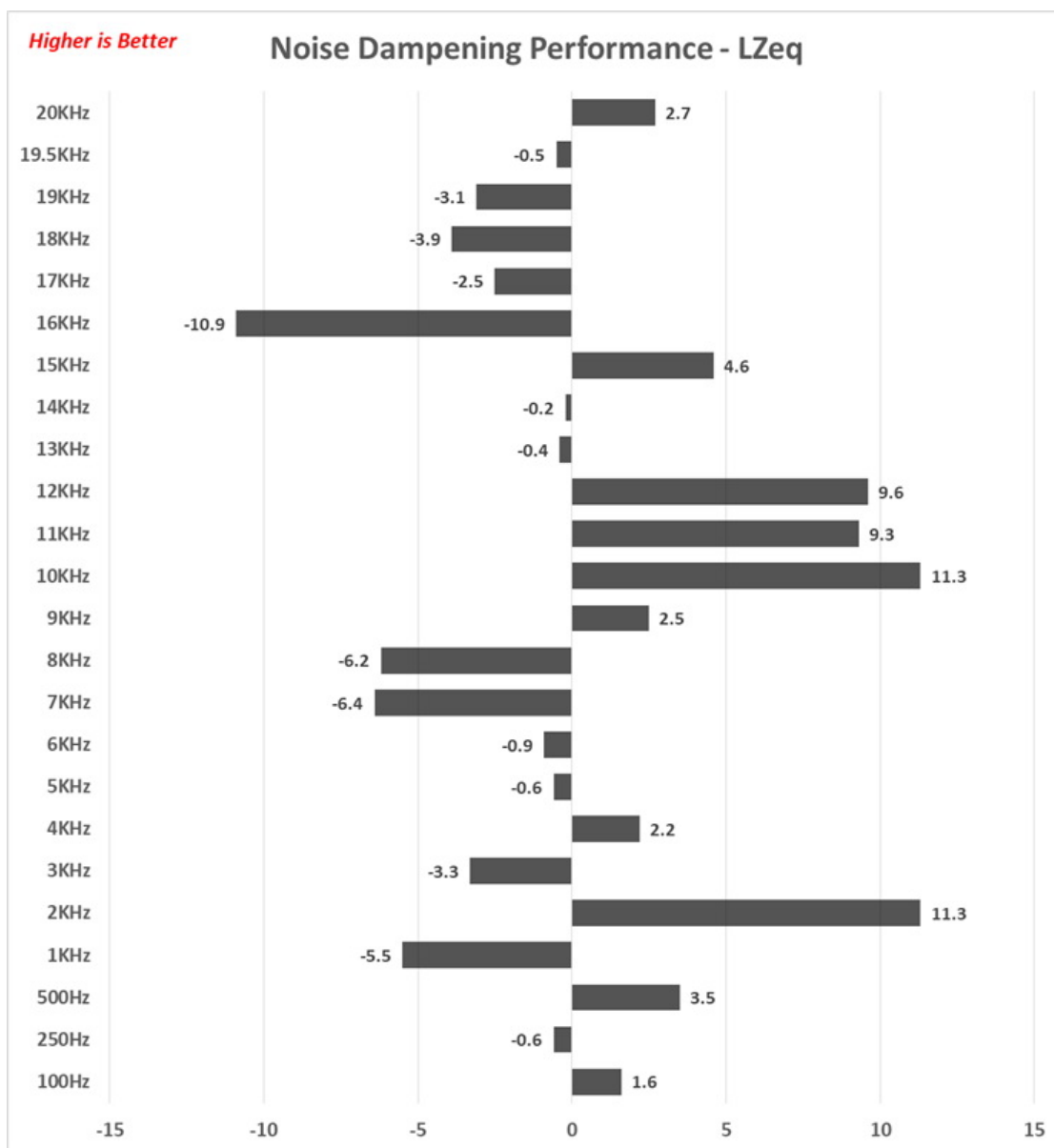
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Noise Dampening Performance LReq - Test Tones



Noise Dampening Performance in dB(Z) from 100 Hz to 20 kHz

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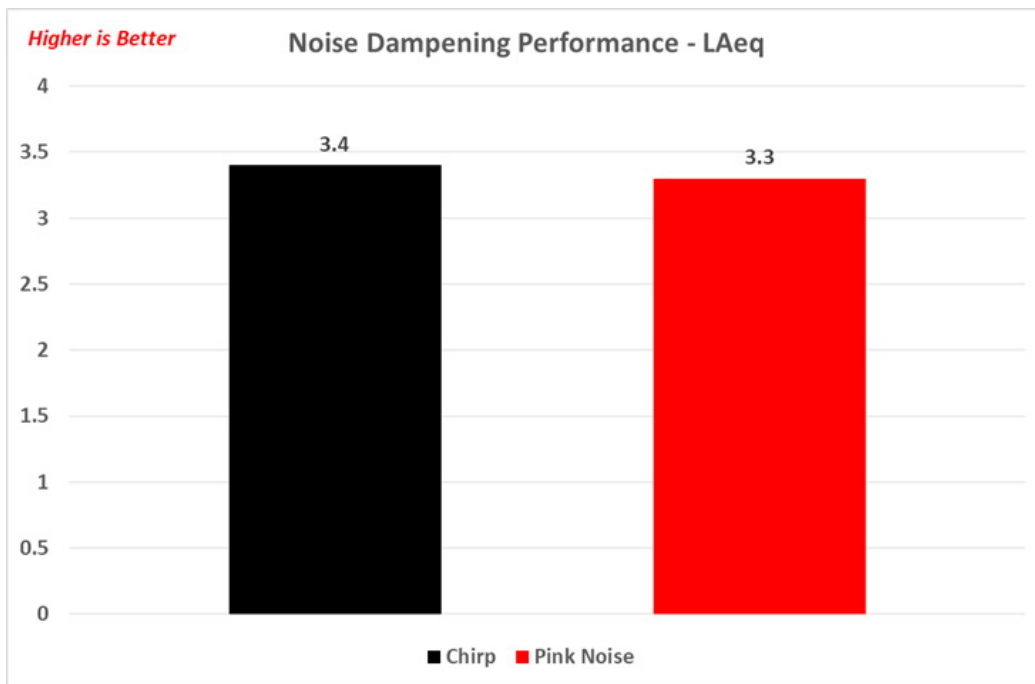
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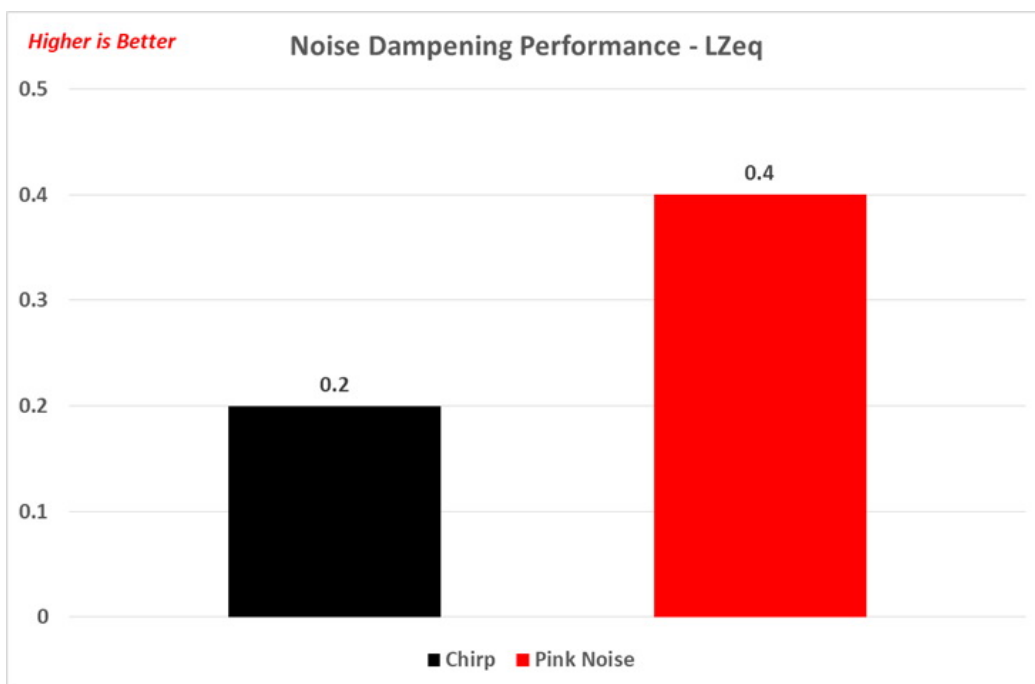
Noise Dampening Performance LAeq - Pink & Chirp



INFO

Chirp & Pink Noise Noise Dampening
Performance (dB[A])

Noise Dampening Performance LZeq - Pink & Chirp



INFO

Chirp & Pink Noise Noise Dampening
Performance (dB[Z])

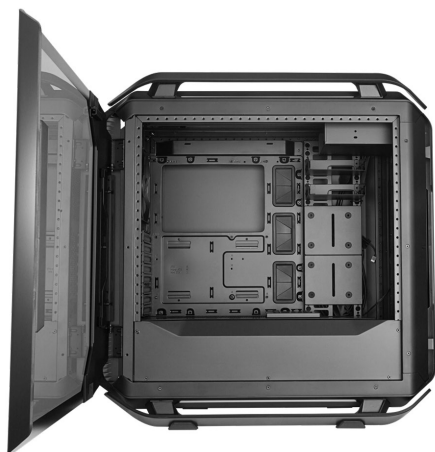
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Case Photo #2



QR Code

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