Evaluation Report

Cooler Master MasterBox TD500 Mesh

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

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TECHNICAL SPECIFICATIONS TABLE

Brand	Cooler Master
Product Name	MasterBox TD500
Type	Midi Tower
Dimensions (LxWxH)	493 x 217 x 468mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX
Removable Motherboard Tray	No
Front Door/Cover	Yes
Materials Body	Steel, Plastic, Tempered Glass
Materials Side Panel	Left: Tempered Glass Right: Steel
Expansion Slots	7x
Drive Bays	5.25": - 3.5 " : 2x Internal (combo 2.5") 2.5" : 4x Internal
I/O Panel	2x USB 3.0, 1x audio jack, 1x mic jack, 1x Power Button, 1x Reset Button
Pre-installed Fan(s)	Front: 3x 120mm ARGB Rear: - Top: -
Fan Support	Front: 3x 120mm / 2x 140mm Top: 3x 120mm / 2x 140mm Rear: 1x 120mm
Fan Bearing Type	Rifle
Fan Power Connector	3-pin
Fan/LED Controller	No
Radiator Support	Front: 120/140/240/280/360mm Top:120/240/360mm Rear: 120mm
CPU Cooler Height (Max)	165mm
VGA Length (Max)	410mm
PSU Length (Max)	180mm (295mm with HDD cage removed)
Behind MB Tray Clearance/Cable Management Support	19mm
Dust Filters	Top, Front, Bottom
PSU Support	Bottom Mount, ATX
Weight	6.5 kg
Warranty	2-years

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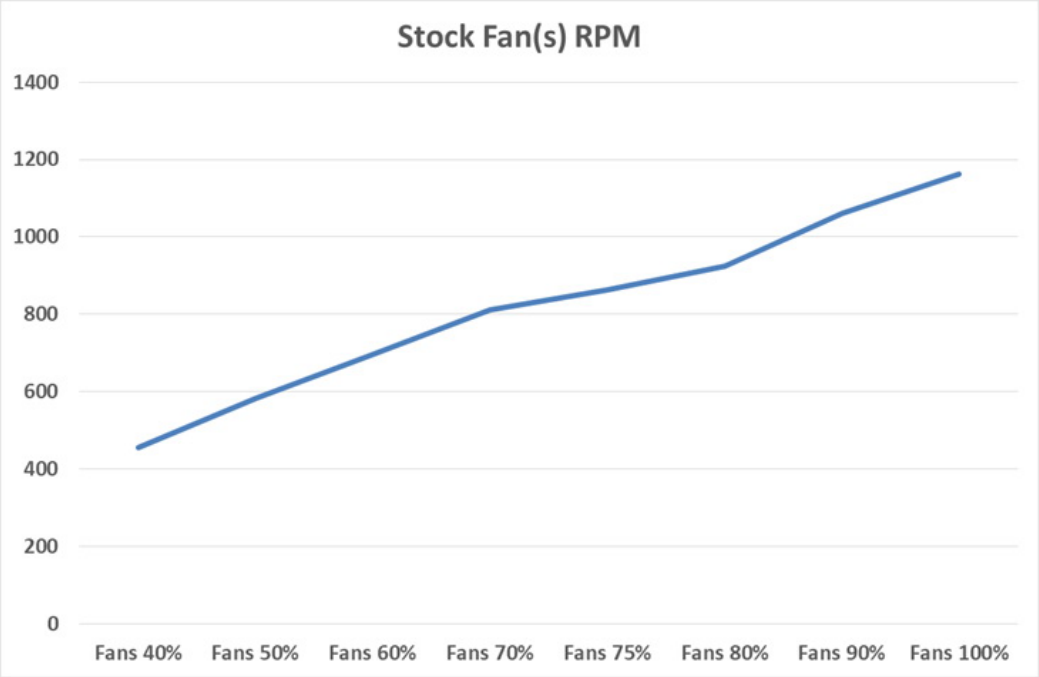
Stock Fan(s) RPM



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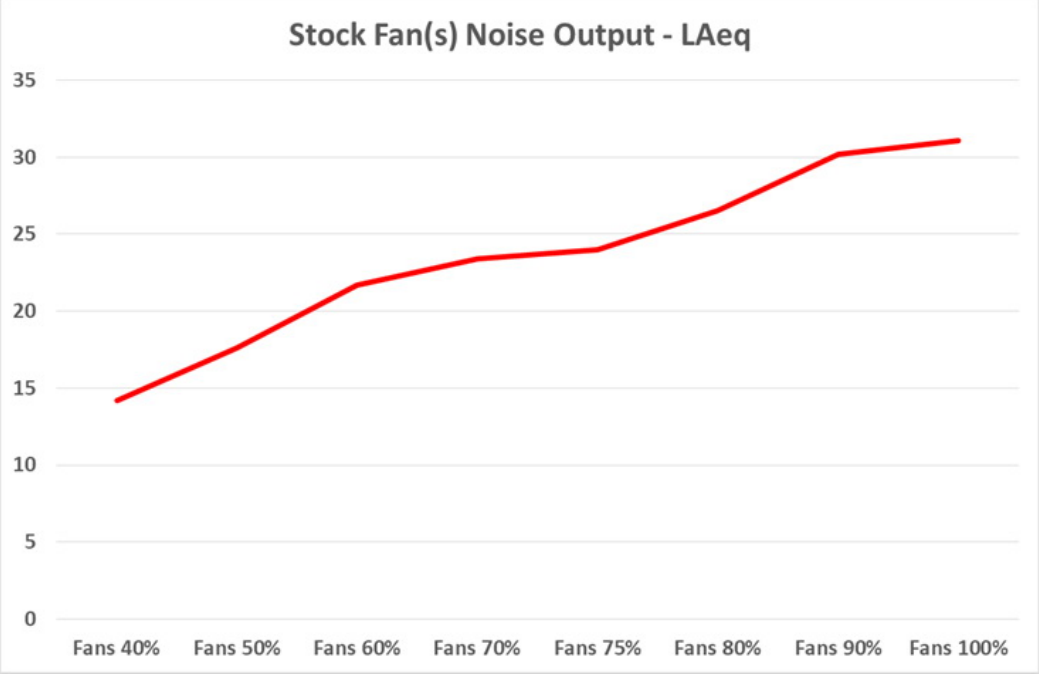
Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output - LAeq



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Stock Fan Noise Output from 40% to 100%

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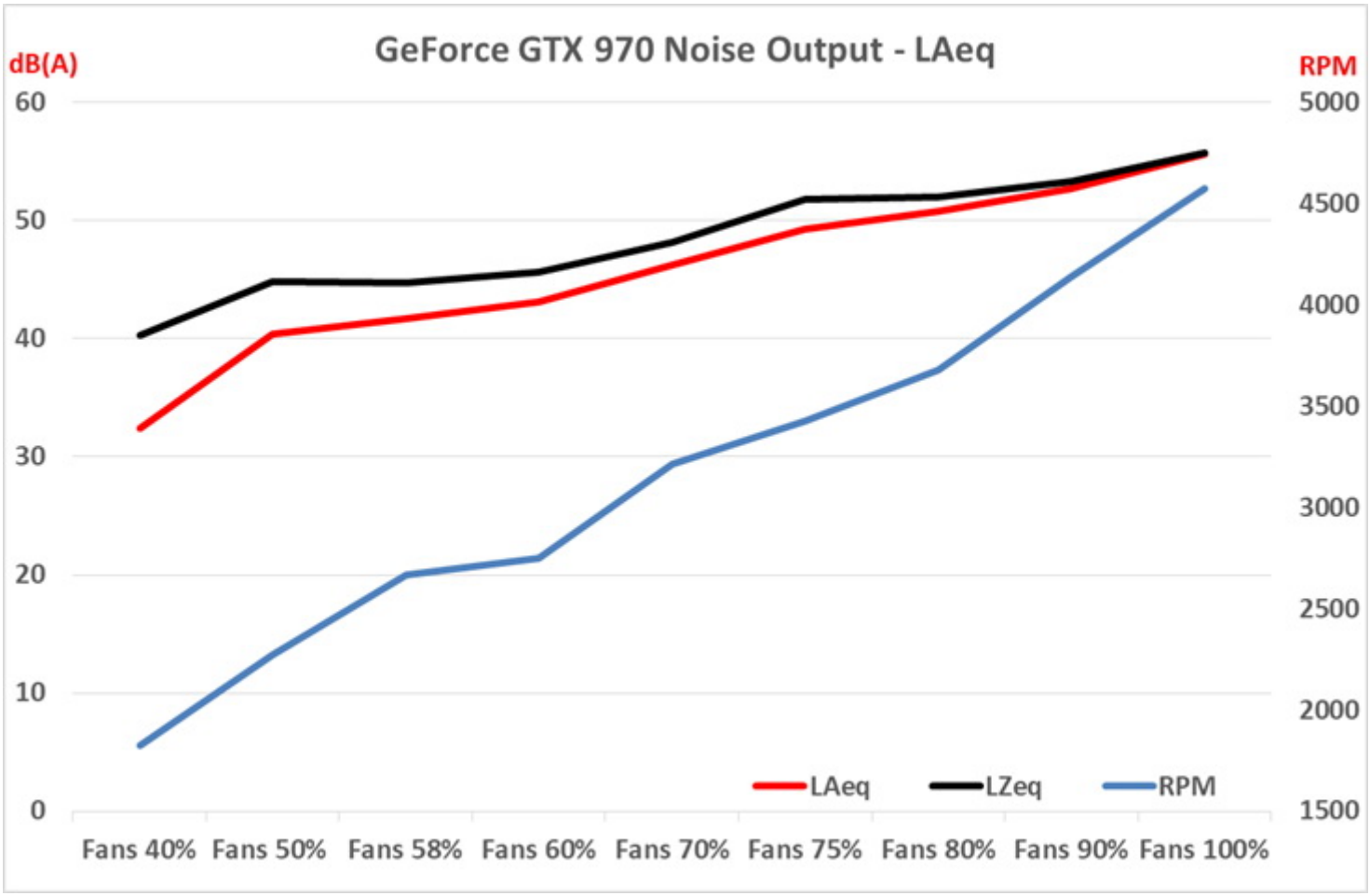
GPU Fan(s) Noise Output - LAeq



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

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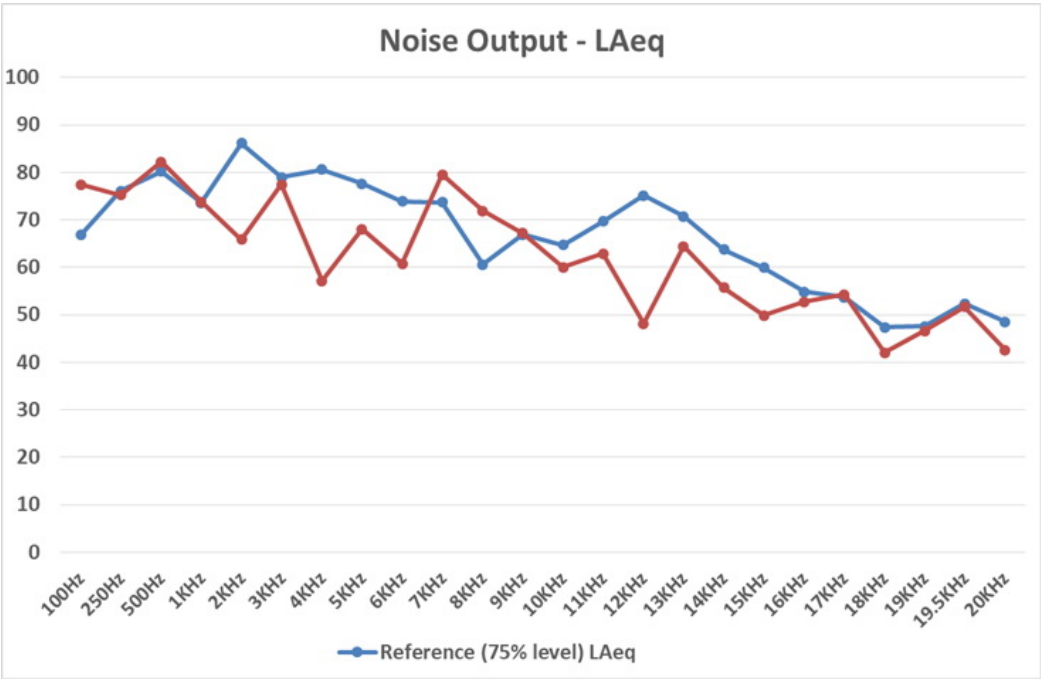
Cooler Master MasterBox TD500 Mesh

Noise Output LAeq - Test Tones



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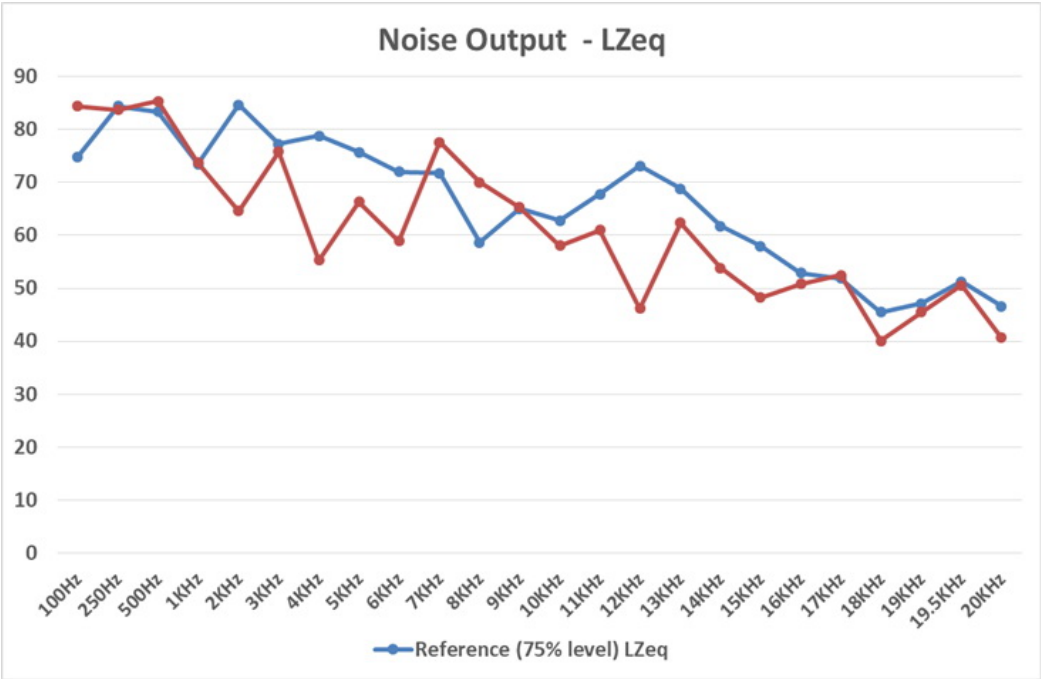
Noise Output in DB(A) from 100 Hz to 20 kHz

Noise Output LZeq - Test Tones



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

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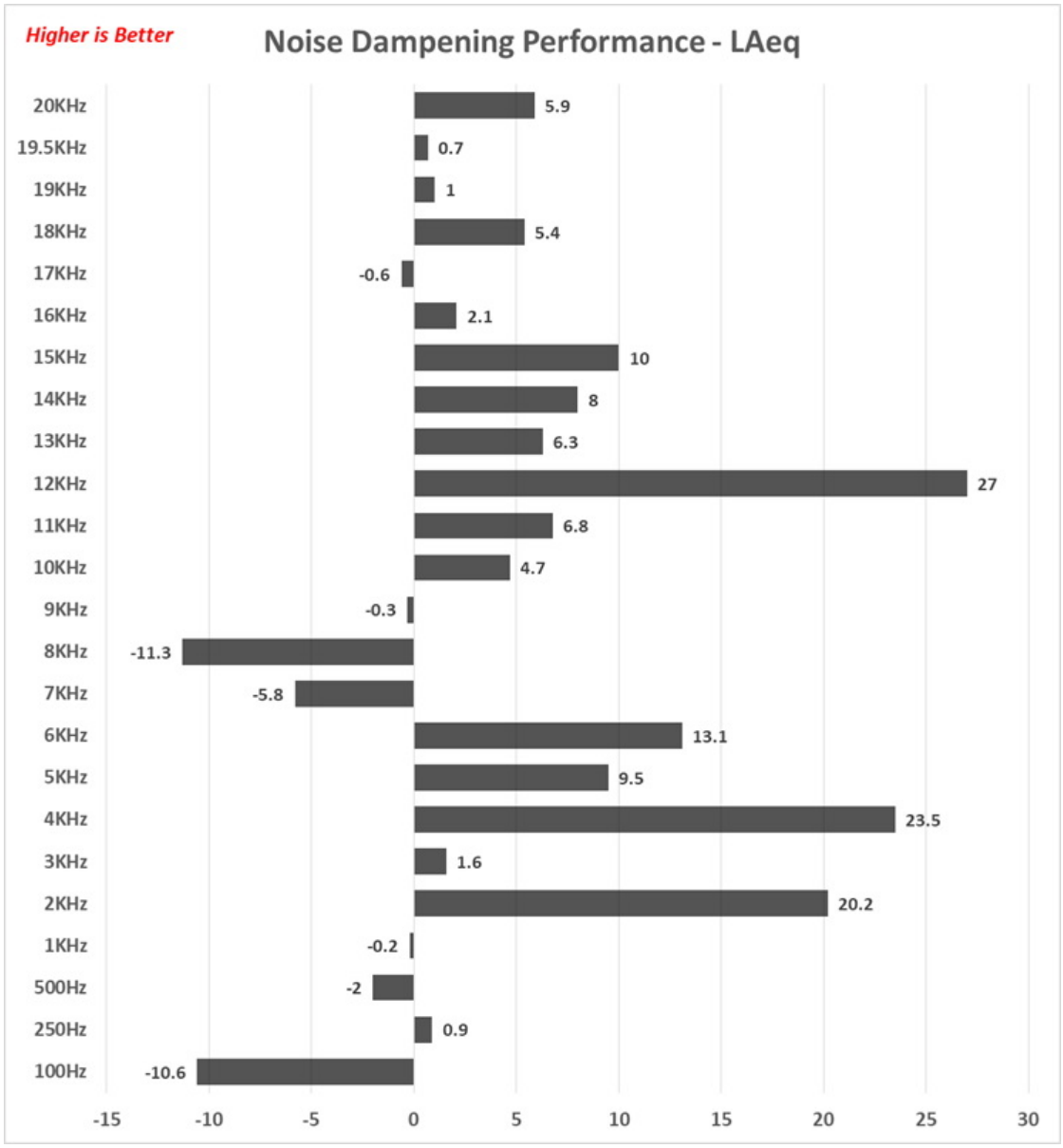
Noise Dampening Performance LAeq - Test Tones



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

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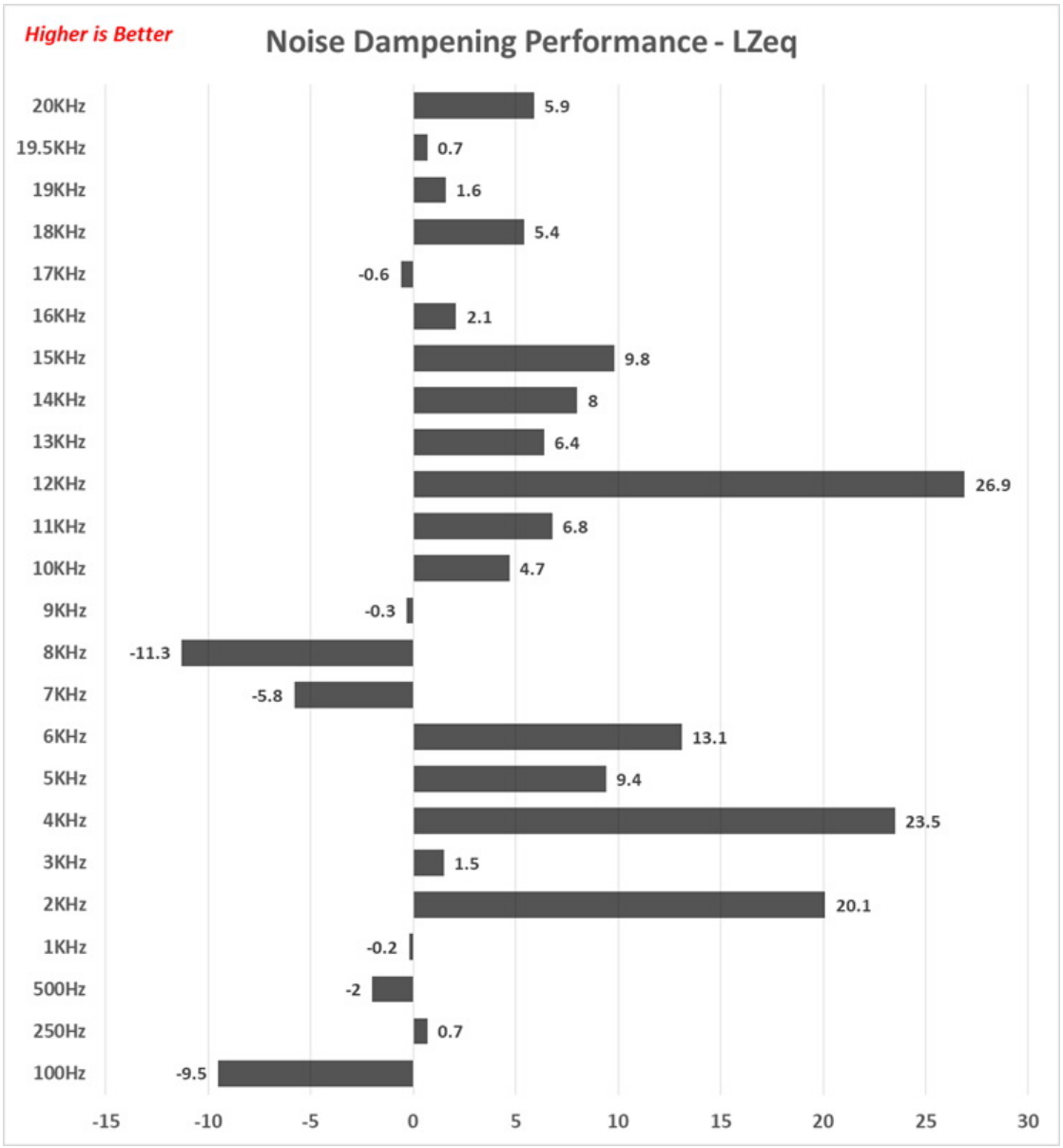
Noise Dampening Performance LZeq - Test Tones



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

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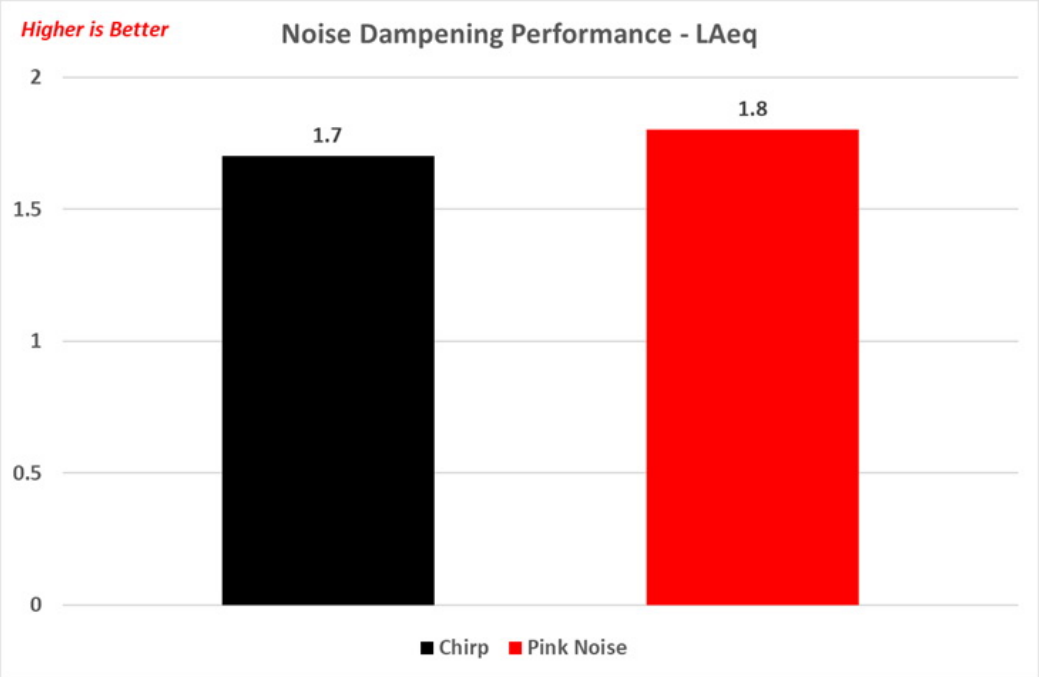
Noise Dampening Performance LAeq - Pink & Chirp



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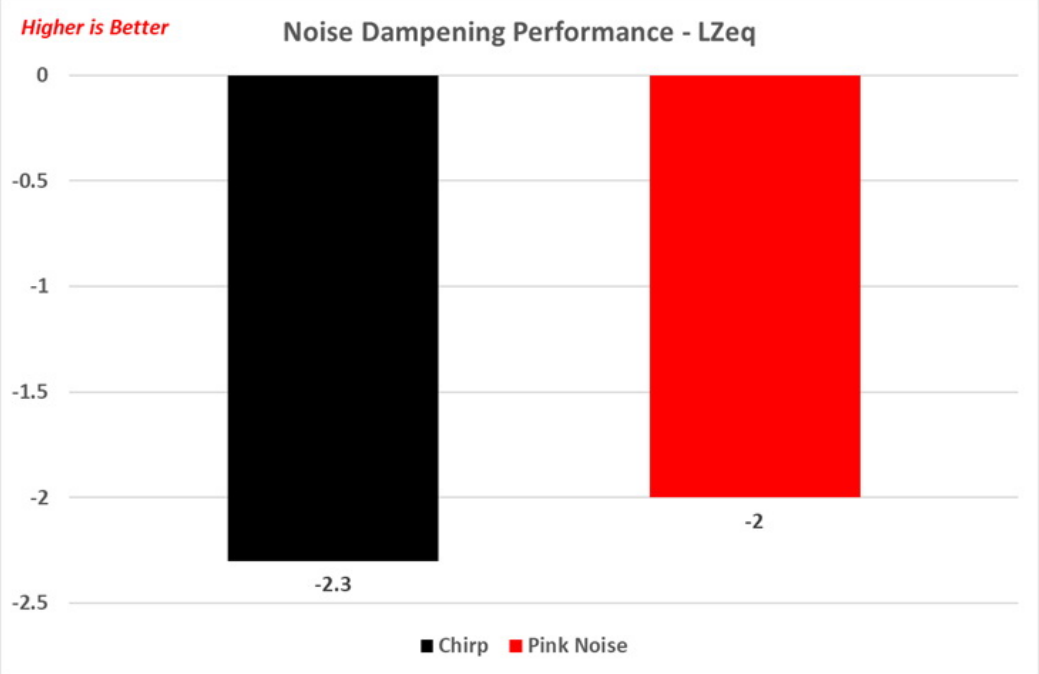
Chirp & Pink Noise Noise Dampening Performance (dB[A])

Noise Dampening Performance LZeq - Pink & Chirp



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

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Case Photo #2

QR Code

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