

Evaluation Report

SilverStone Mammoth MM01B



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	SilverStone
Product Name	Mammoth MM01B
Type	Full Tower
Dimensions (LxWxH)	597 x 247 x 542mm
Motherboard Support	Mini-ITX, Flex-ATX, Micro-ATX, ATX, E-ATX, XL-ATX
Removable Motherboard Tray	Yes
Front Door/Cover	Yes
Materials Body	Aluminum door, plastic anti-splash grille, steel panels and body
Materials Side Panel	Left: Steel Right: Steel
Expansion Slots	8x
Drive Bays	5.25": 2x External 3.5 " : 7x Internal 2.5" : 4x Internal
I/O Panel	2x USB 3.0 , 1x audio jack, 1x mic jack
Pre-installed Fan(s)	Front: 2x 180mm (500-1800 RPM) Rear: - Top: -
Fan Support	Front: 2x 120mm / 2x 180mm / 1x 240mm Top:- Rear: 1x 120mm
Fan Bearing Type	Double Ball
Fan Power Connector	3-Pin
Fan/LED Controller	Air Penetrator AP182 analog fan controller
Radiator Support	Front: 120 / 240 / 360mm Top: - Rear: 120mm
CPU Cooler Height (Max)	183mm
VGA Length (Max)	338mm
PSU Length (Max)	220mm
Behind MB Tray Clearance/Cable Management Support	23-32mm
Dust Filters	Front
PSU Support	Top Mount, ATX
Weight	16.7 kg
Warranty	Limited 1-year warranty for North America and Australia

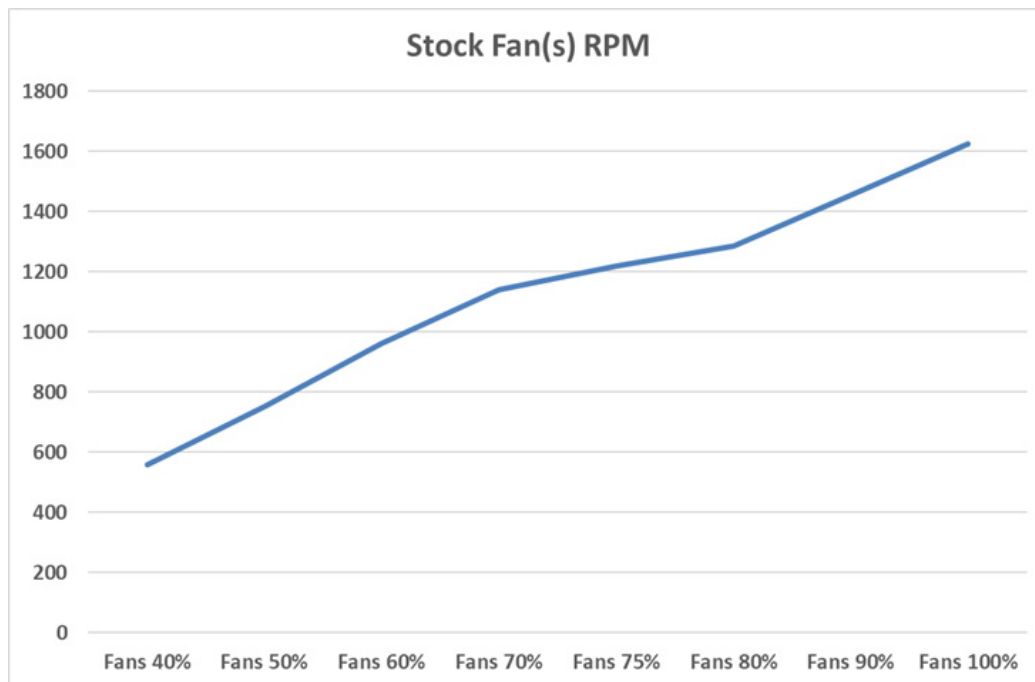
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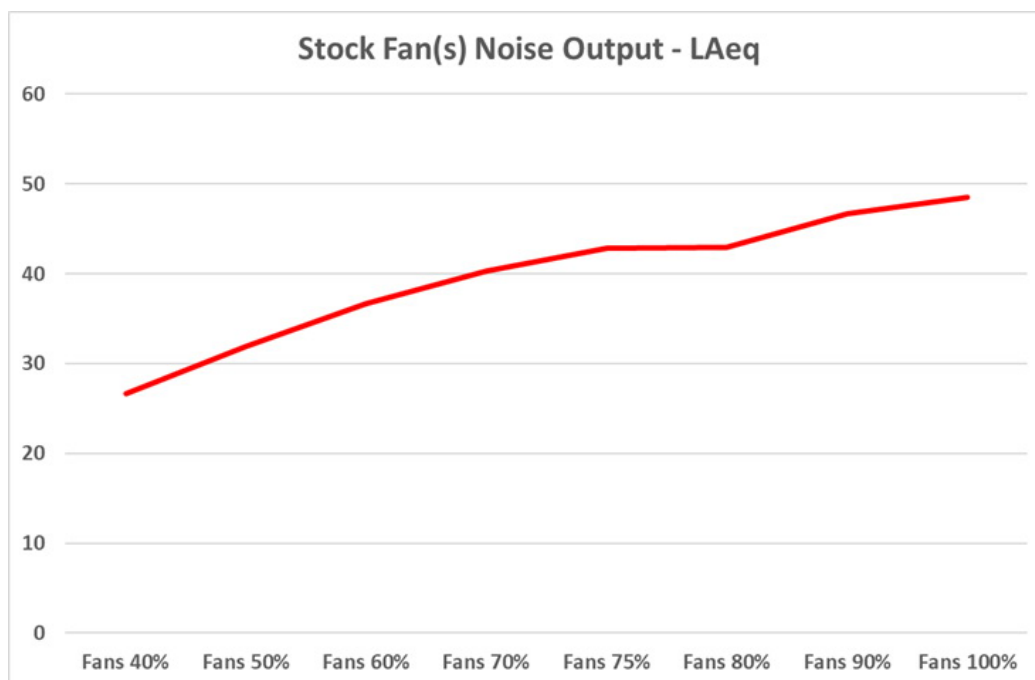
Stock Fan(s) RPM



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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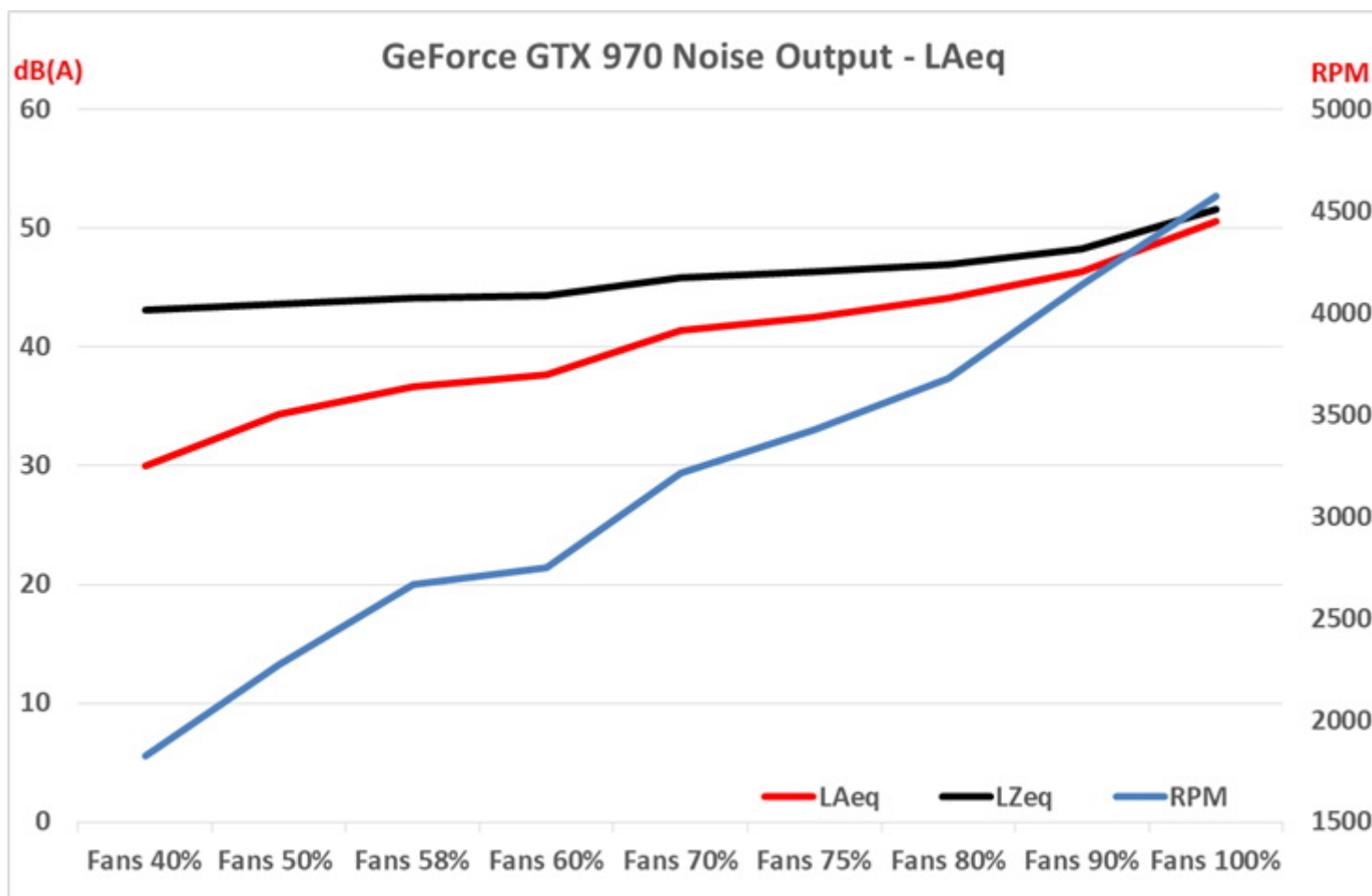
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GPU Fan(s) Noise Output - LAeq



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

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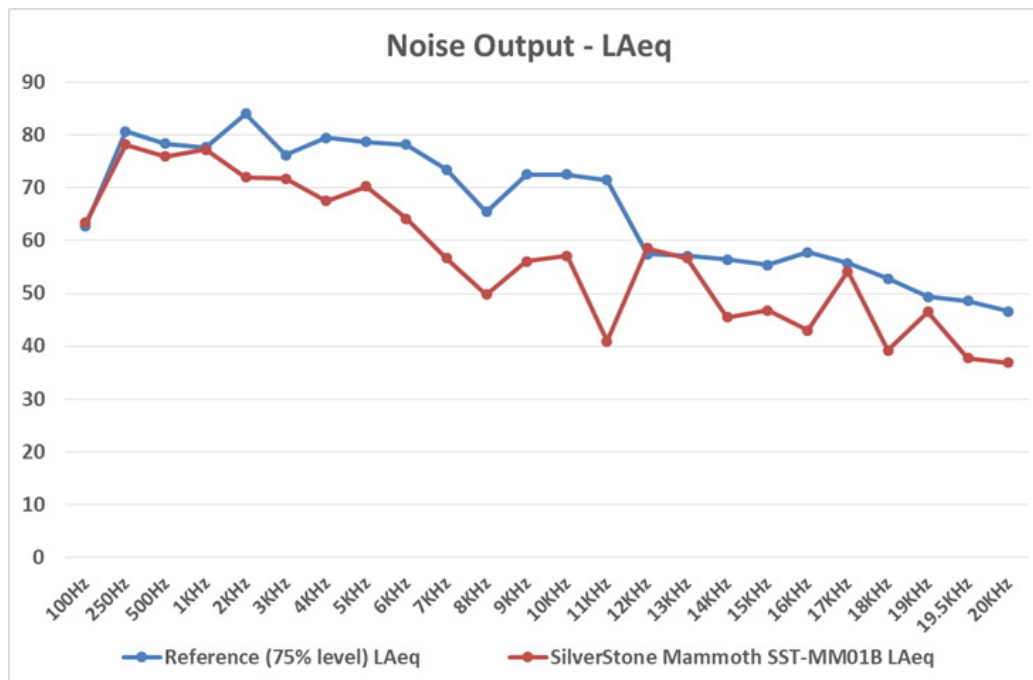
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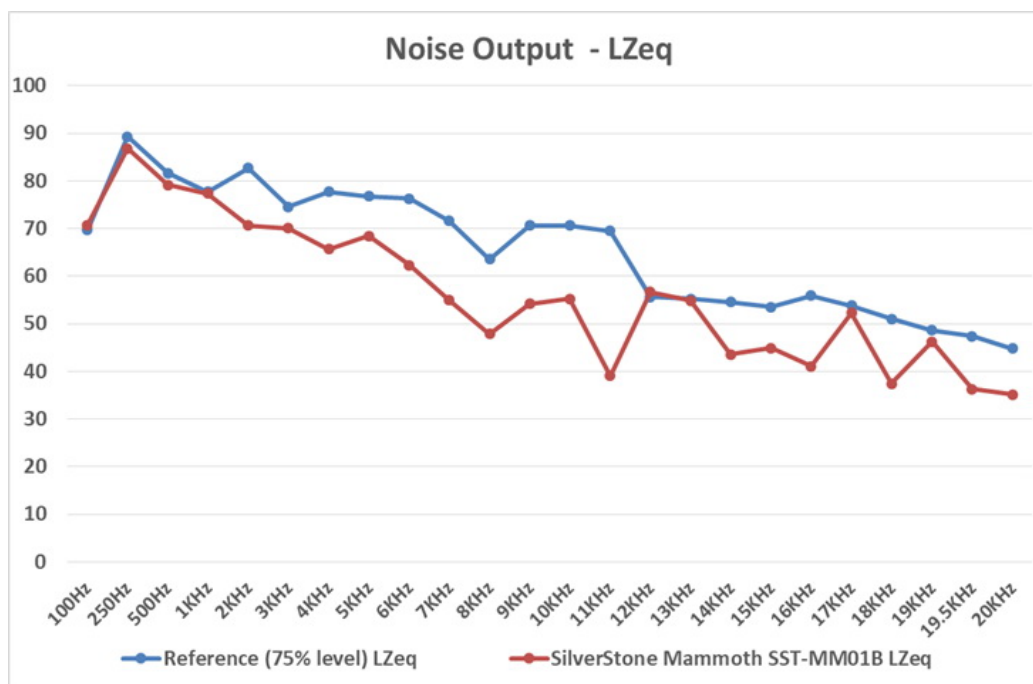
Noise Output LAeq - Test Tones



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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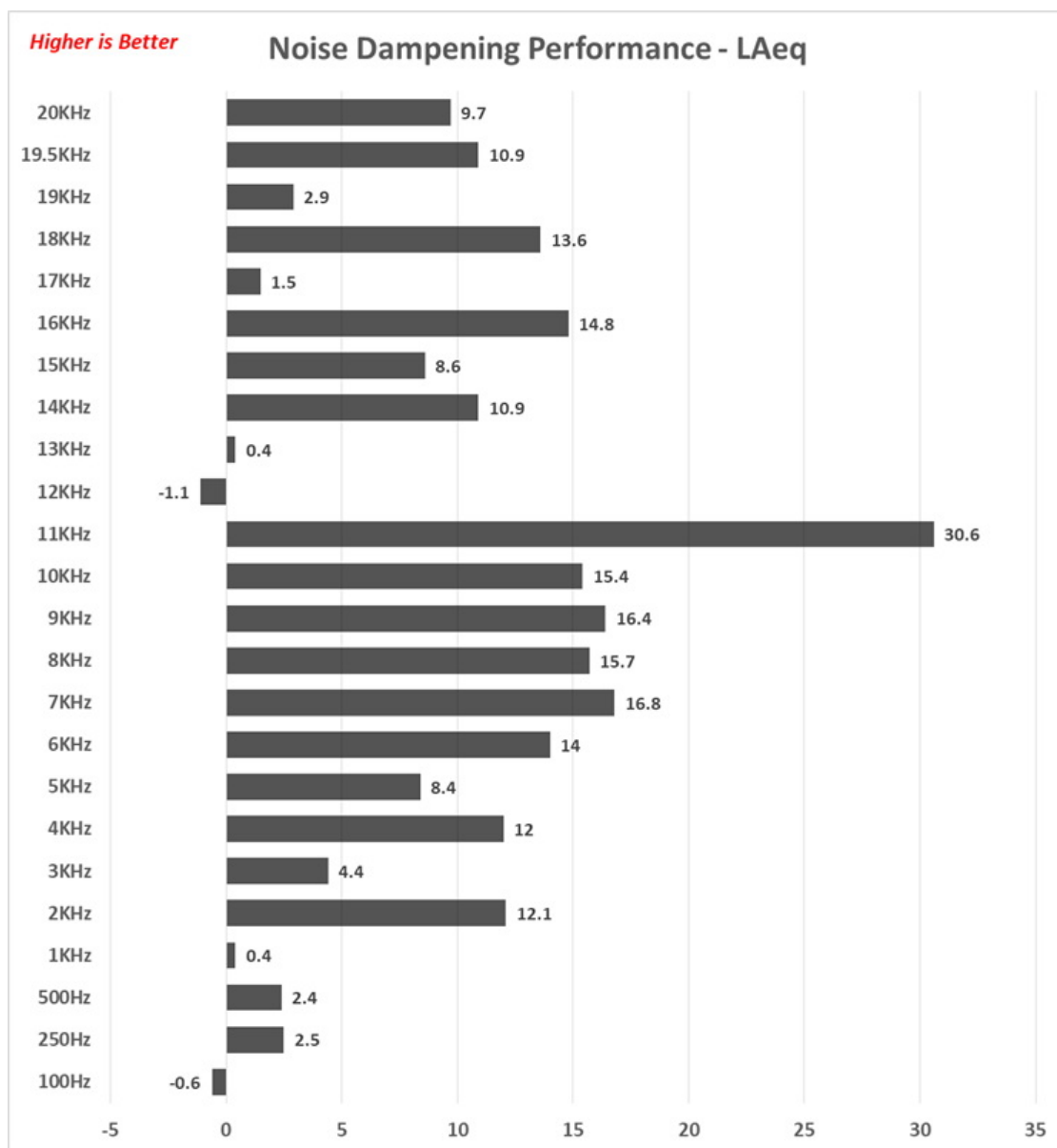
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Noise Dampening Performance LAeq - Test Tones



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

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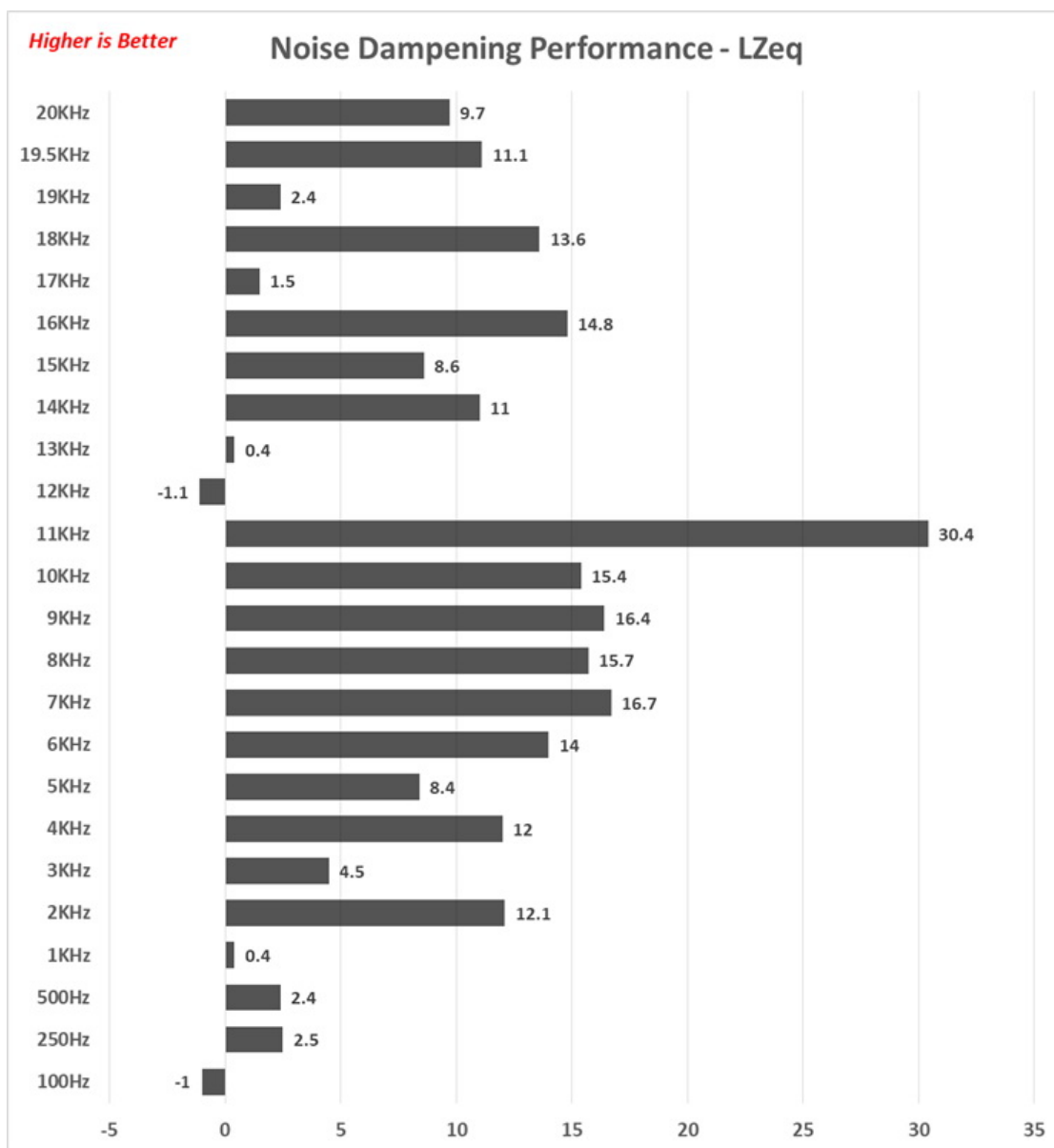
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Noise Dampening Performance LZeQ - Test Tones



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

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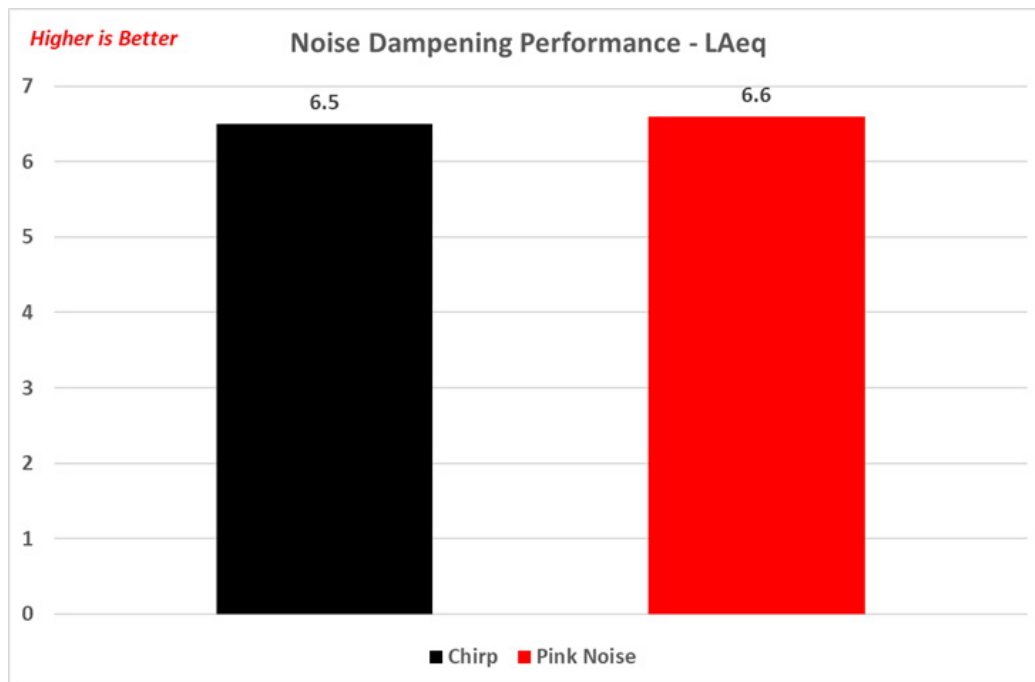
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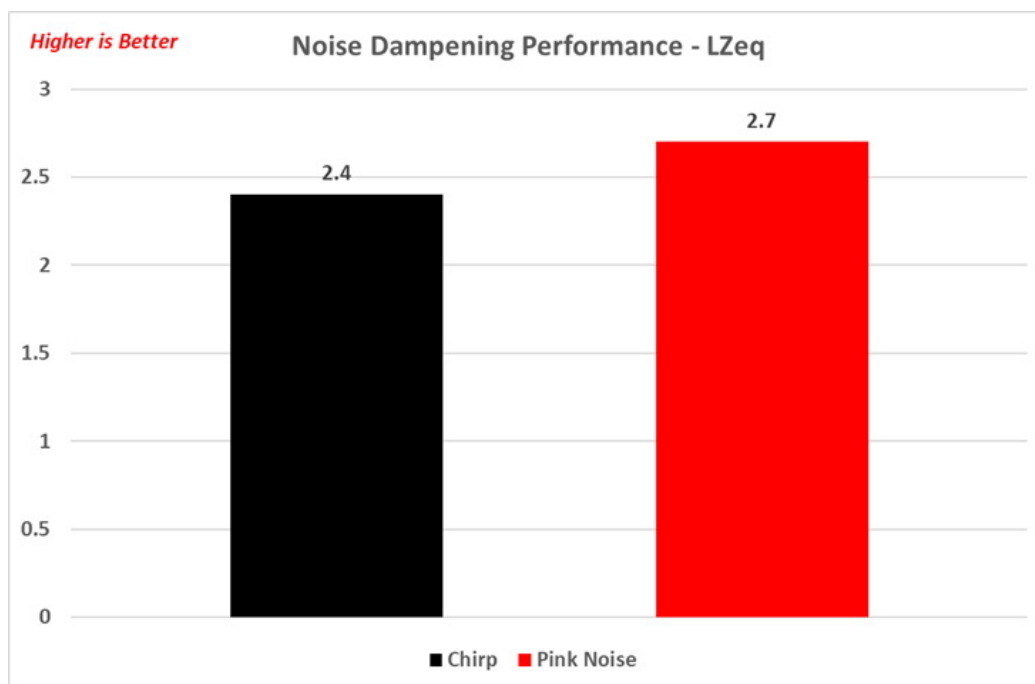
Noise Dampening Performance LAeq - Pink & Chirp



INFO

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

Noise Dampening Performance LZeq - Pink & Chirp



INFO

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

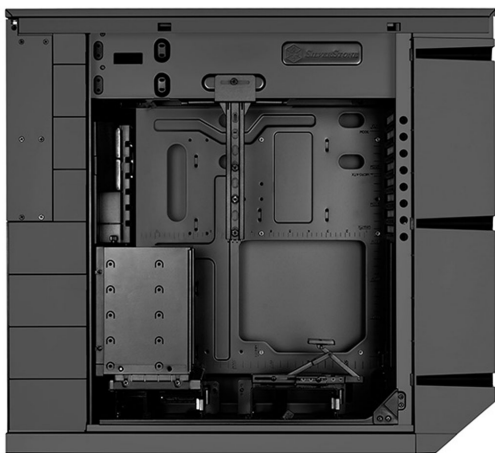
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Case Photo #2



QR Code

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