Evaluation Report

SilverStone Kublai KL07

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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Evaluation Report

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TECHNICAL SPECIFICATIONS TABLE

Brand	SiverStone
Product Name	Kublai KL07
Type	Midi Tower
Dimensions (LxWxH)	467 x 222 x 510mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX
Removable Motherboard Tray	No
Front Door	No
Materials Body	Steel, Plastic, Sound Dampening Material
Materials Side Panel	Left:Sound-Dampened Steel Right: Sound-Dampened Steel
Expansion Slots	7x
Drive Bays	5.25": - 3.5 " : 3x Internal 2.5" : 3x Internal
I/O Panel	1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, 1x Audio, 1x Mic
Pre-installed Fan(s)	Front: 2x 140mm (HA1425L12SF-Z) Rear: 1x 140mm (HA1425L12SF-Z)
Fan Support	Front: 3x 120/140mm Top: 2x 120/140mm Rear: 1x 120/140mm
Fan Bearing Type	Fluid Dynamic Bearing (FDB)
Fan Power Connector	3-Pin
Fan/LED Controller	-
Radiator Support	Front: 120/140/240/280/360mm Top:120/140/240/280mm Rear: 120/140mm
CPU Cooler Height (Max)	163mm
VGA Length (Max)	388mm
PSU Length (Max)	140 ~ 200mm (Depends on the drive cages position)

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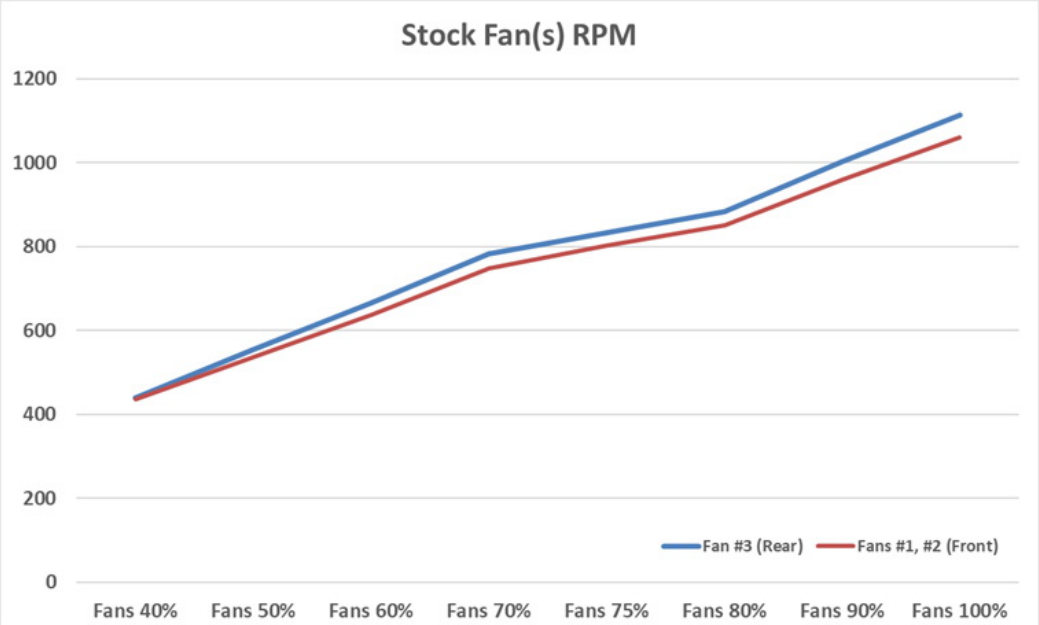
Stock Fan(s) RPM



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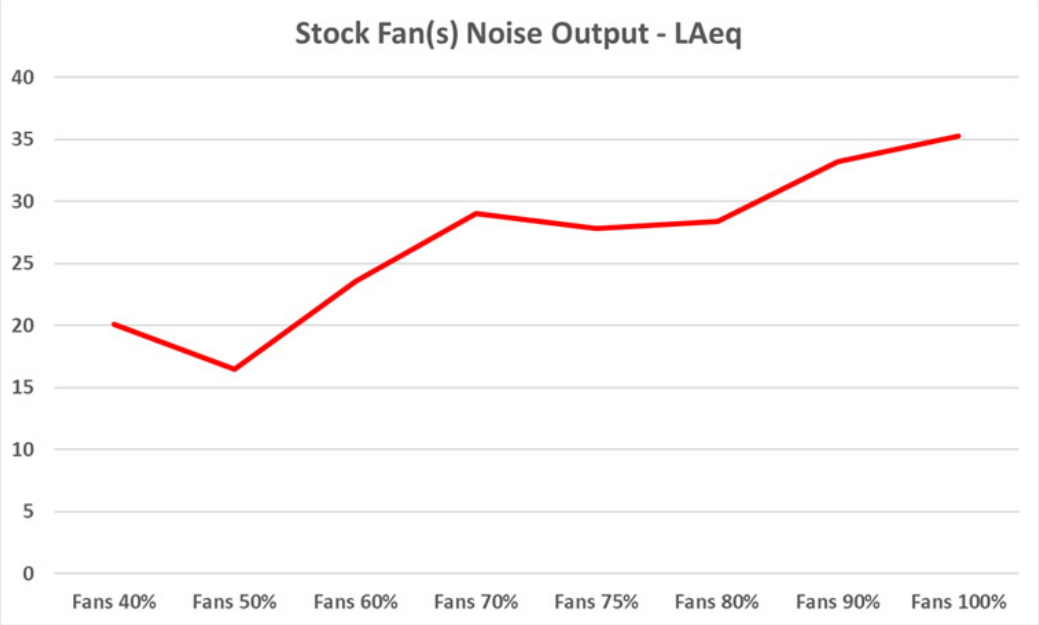
Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output - LAeq



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Stock Fan Noise Output from 40% to 100%

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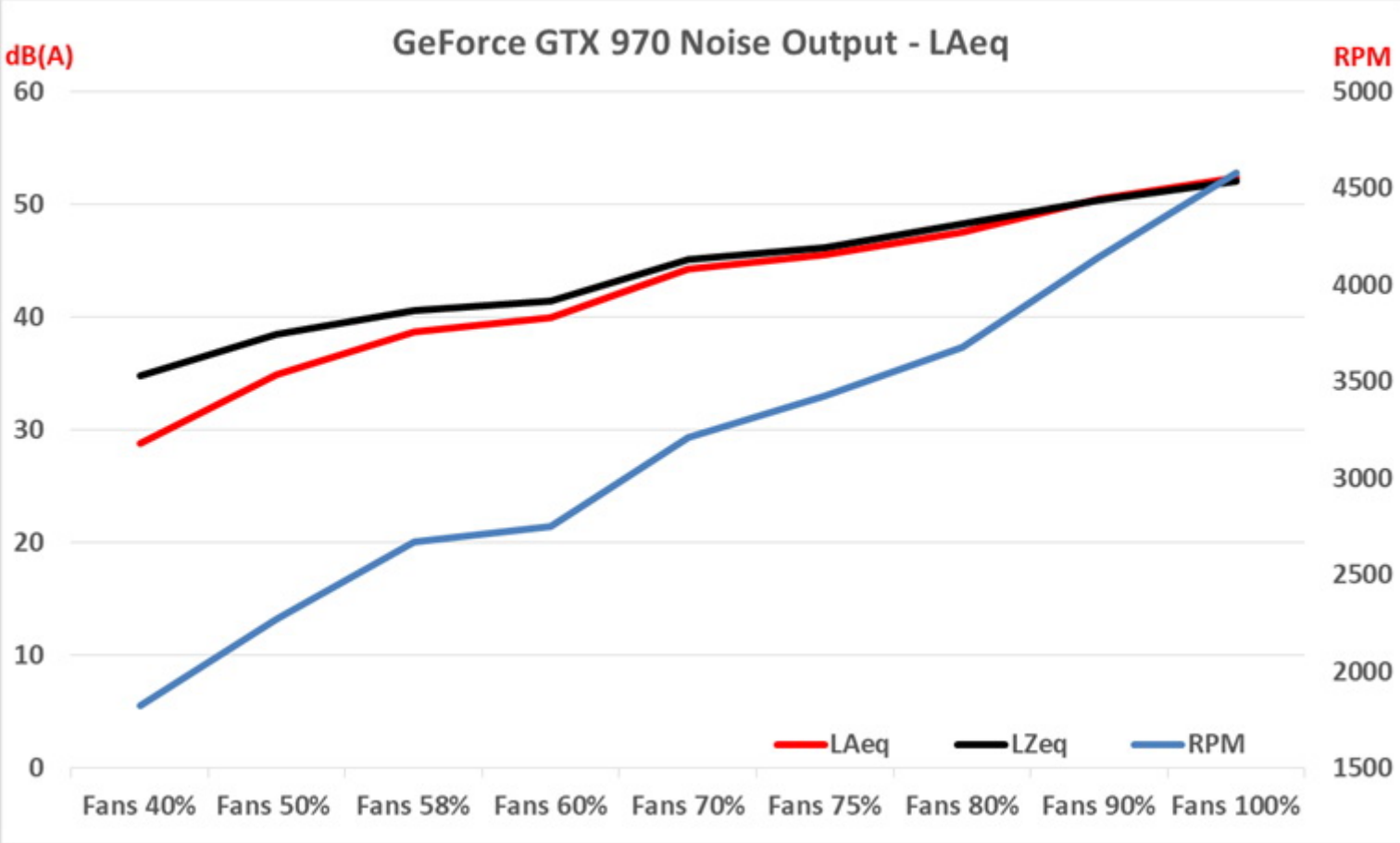
GPU Fan(s) Noise Output - LAeq



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

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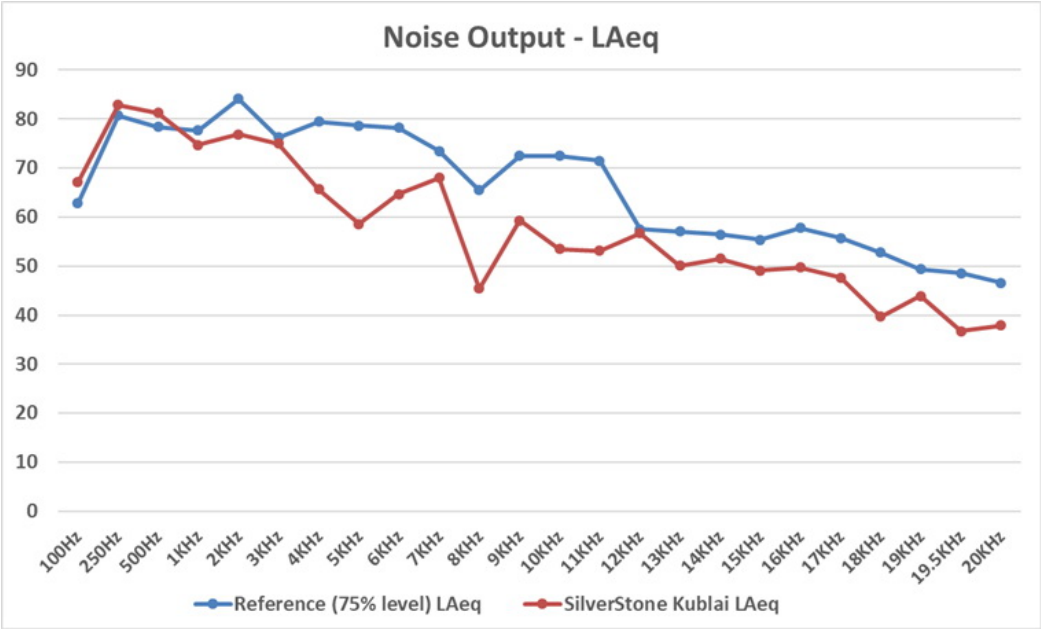
Noise Output LAeq - Test Tones



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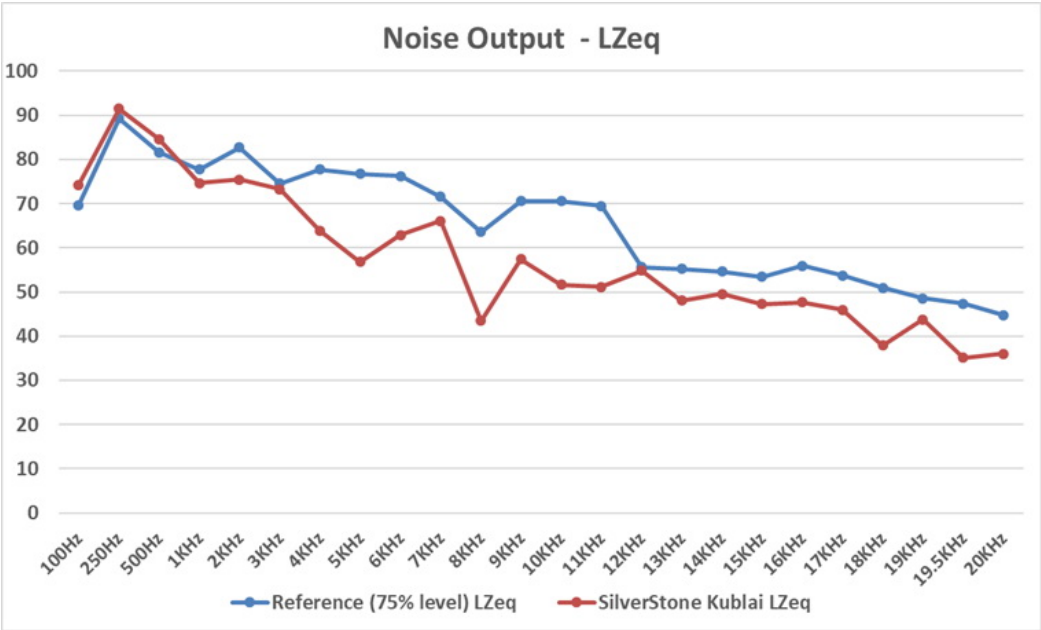
Noise Output in DB(A) from 100 Hz to 20 kHz

Noise Output LZeq - Test Tones



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

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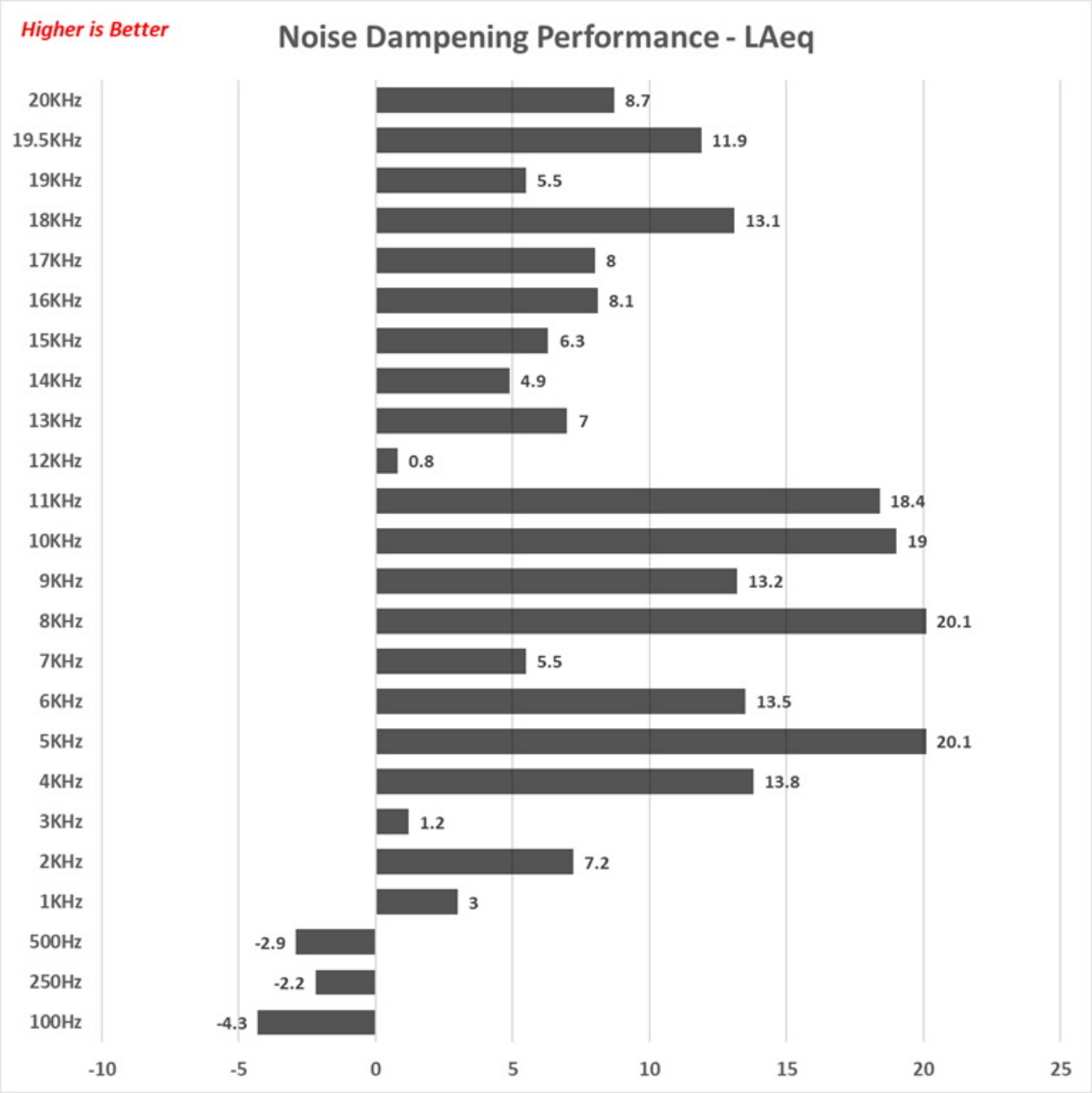
Noise Dampening Performance LAeq - Test Tones



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

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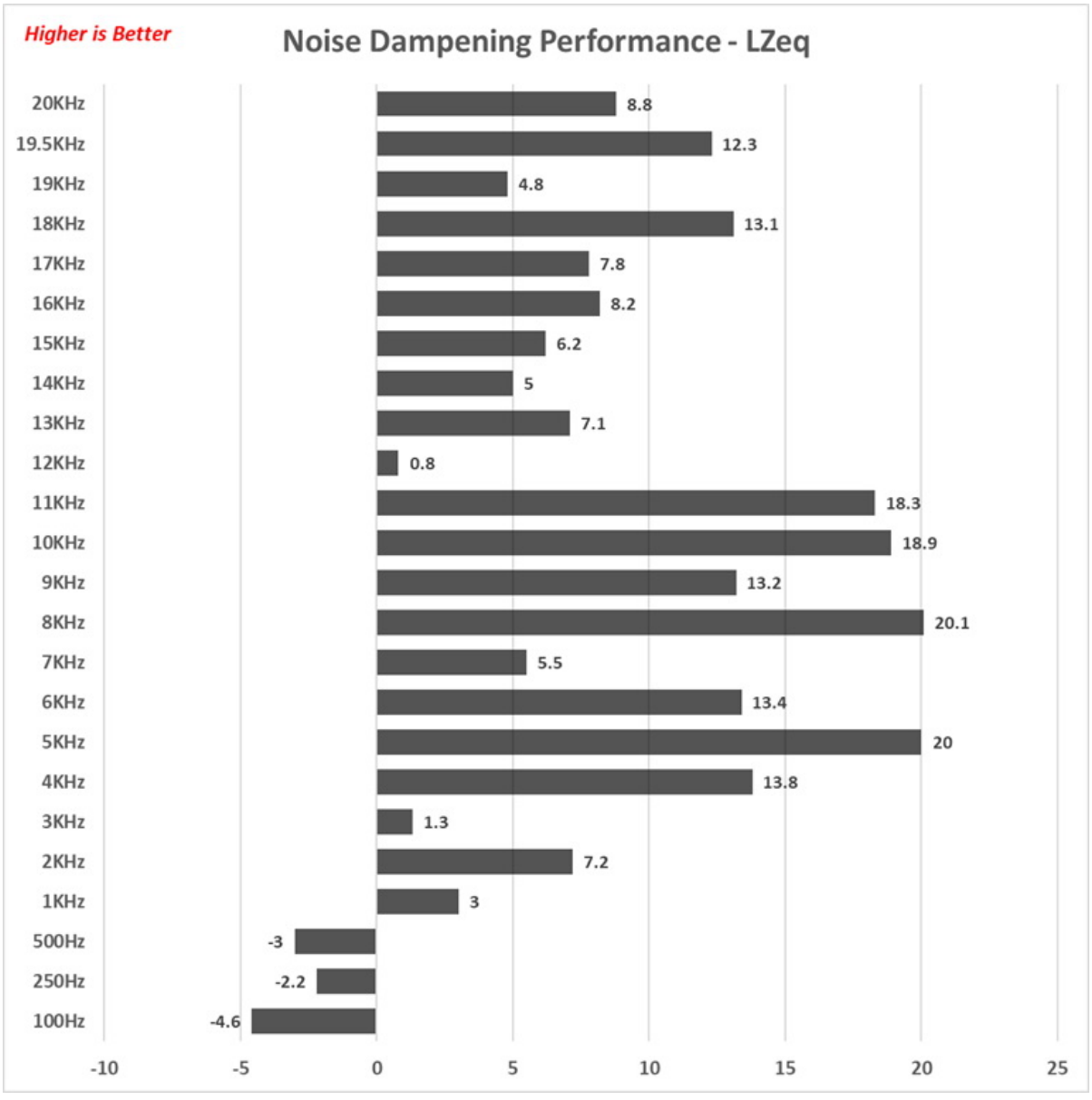
Noise Dampening Performance LZeq - Test Tones



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

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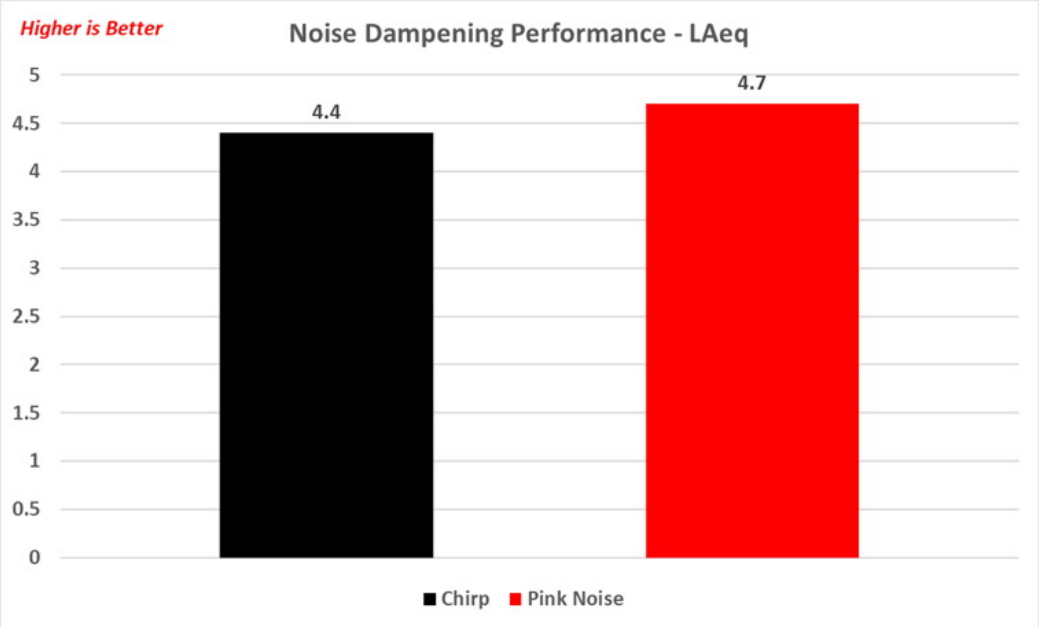
Noise Dampening Performance LAeq - Pink & Chirp



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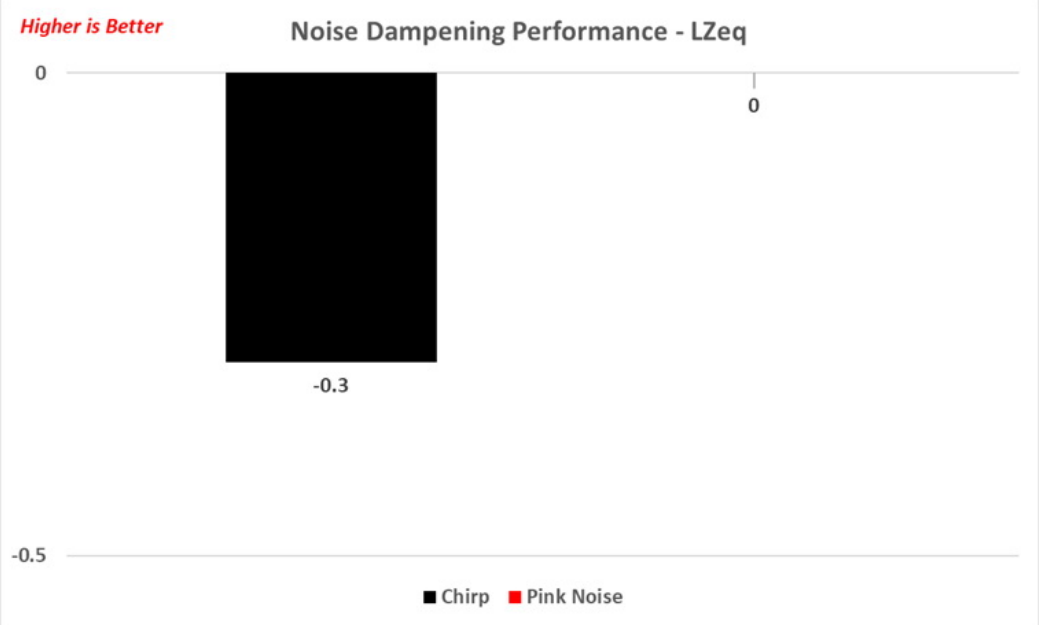
Chirp & Pink Noise Noise Dampening Performance (dB[A])

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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