



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

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Evaluation Report

Cooler Master MasterBox Q500L

TECHNICAL SPECIFICATIONS TABLE

Brand	Cooler Master
Product Name	MasterBox Q500L
Type	Midi Tower
Dimensions (LxWxH)	372 x 230 x 376mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX
Removable Motherboard Tray	No
Front Door/Cover	No
Materials Body	Steel, Plastic
Materials Side Panel	Left: Acrylic Right: Steel
Expansion Slots	7x
Drive Bays	5.25": - 2.5"/3.5 " (Combo) : 2x Internal (each bay supports:1x 3.5" or 2x 2.5")
I/O Panel	2x USB 3.0, 1x audio jack, 1x mic jack, 1x Reset Button, 1x Power Button
Pre-installed Fan(s)	Front: - Rear: 1x 120mm Top: -
Fan Support	Front: - Top: 2x 120mm / 2x 140mm Rear: 1x 120mm
Fan Bearing Type	Rifle
Fan Power Connector	3-Pin
Fan/LED Controller	-
Radiator Support	Front: - Top: 120mm / 240mm (35mm max. height) Rear: 120mm
CPU Cooler Height (Max)	160mm
VGA Length (Max)	360mm (270mm with PSUs longer than 160mm)
PSU Length (Max)	180mm
Behind MB Tray Clearance/Cable Management Support	27-30mm
Dust Filters	Top, Front, Bottom
PSU Support	Top Front Mount, ATX
Weight	4.1 kg
Warranty	2-years

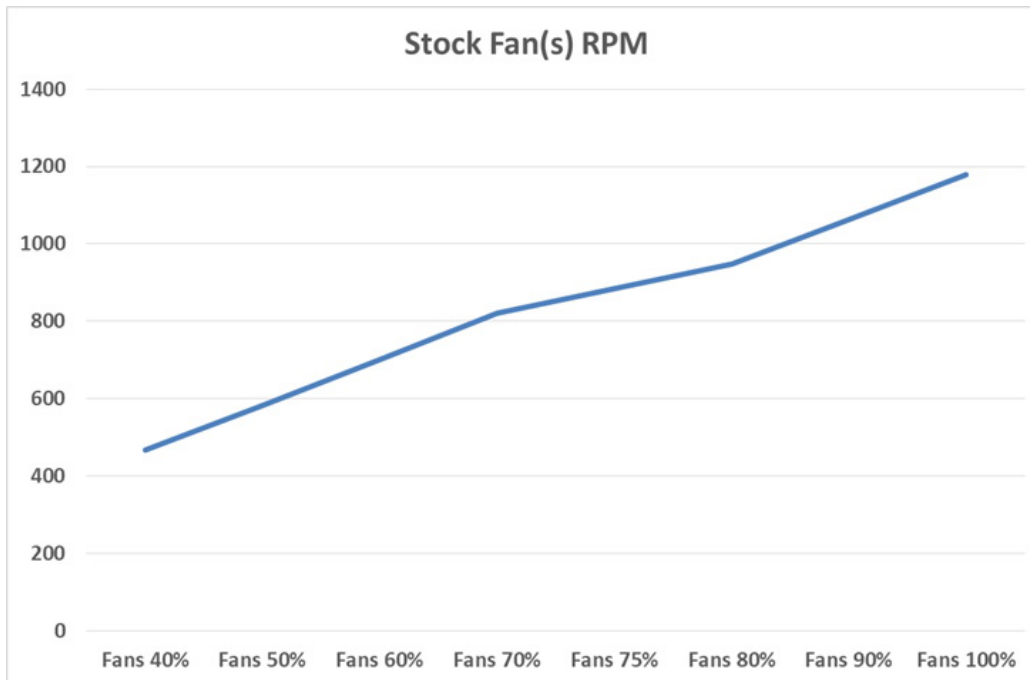
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Evaluation Report

Cooler Master MasterBox Q500L

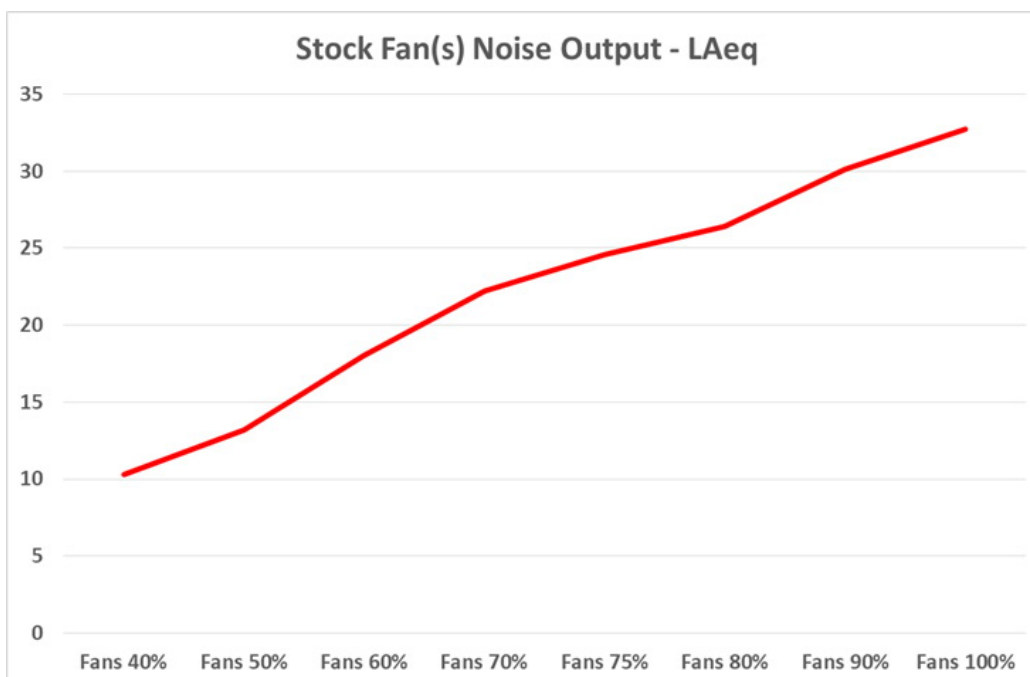
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output - LAeq



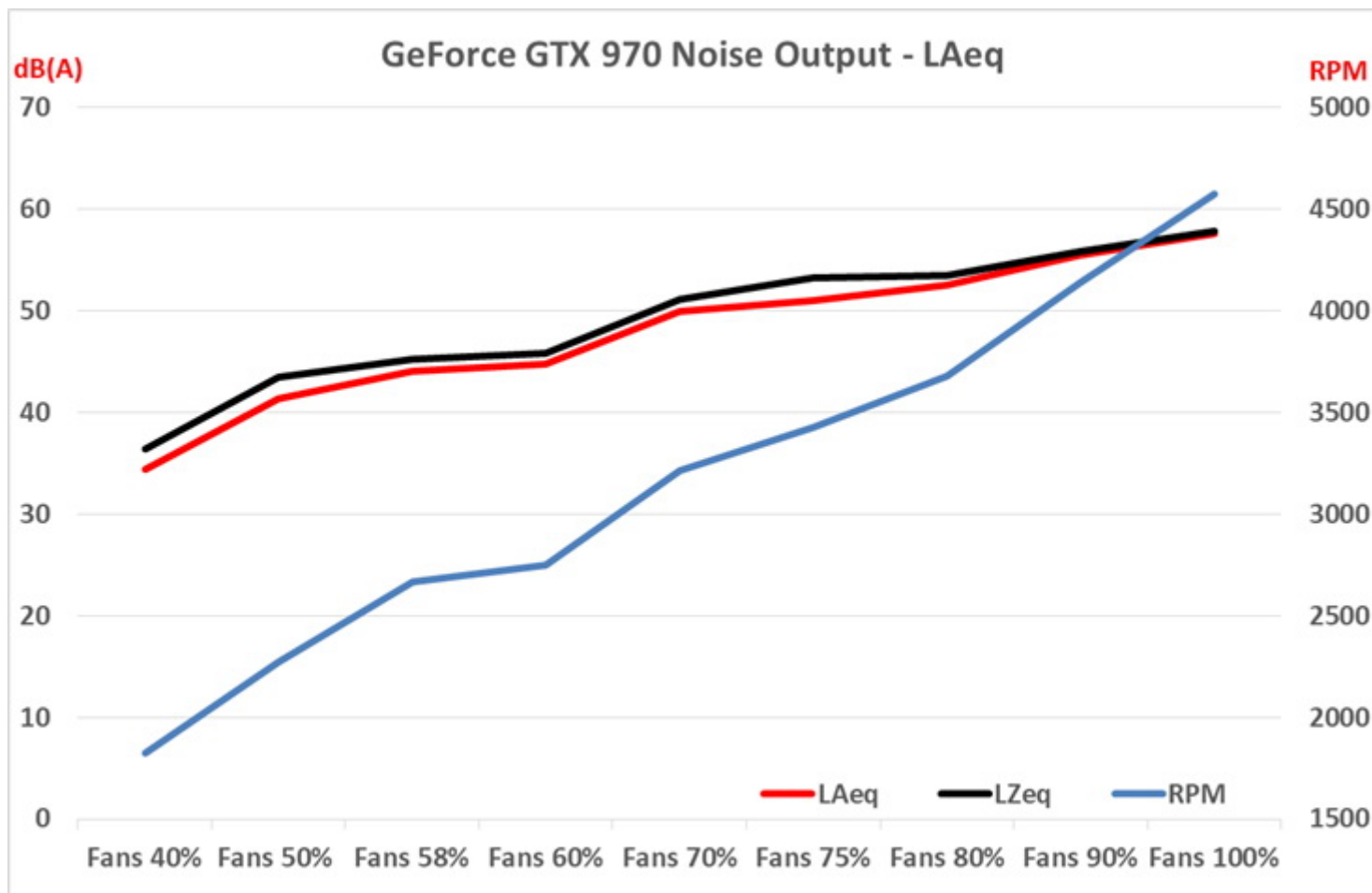
INFO

Stock Fan Noise Output from 40% to 100%

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

GPU Fan(s) Noise Output - LAeq



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

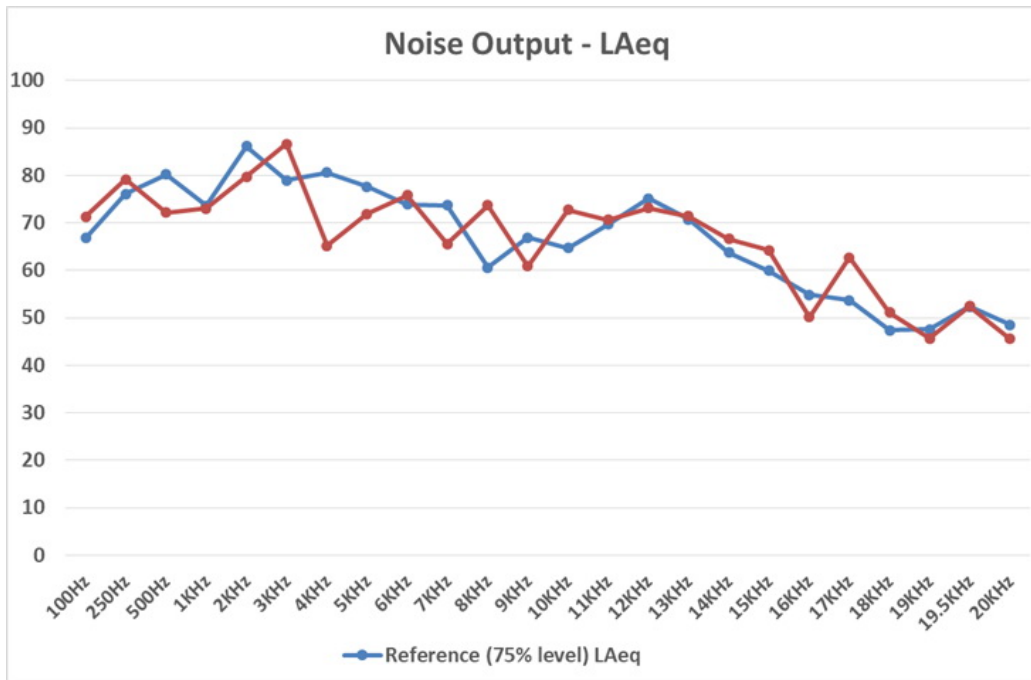
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Evaluation Report

Cooler Master MasterBox Q500L

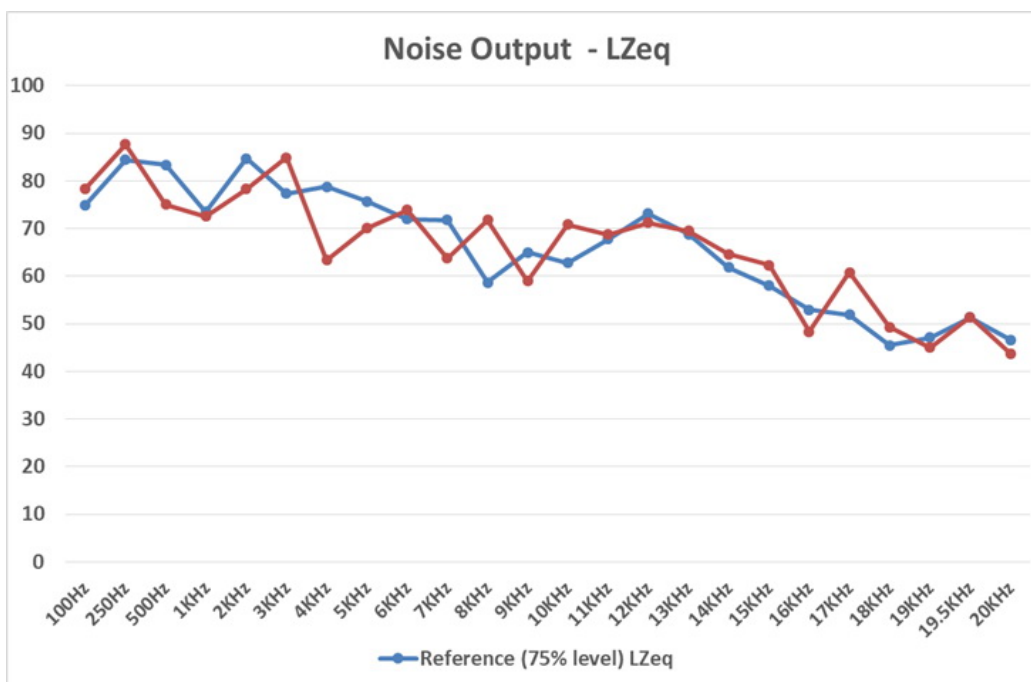
Noise Output LAeq - Test Tones



INFO

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

Noise Output LZeq - Test Tones



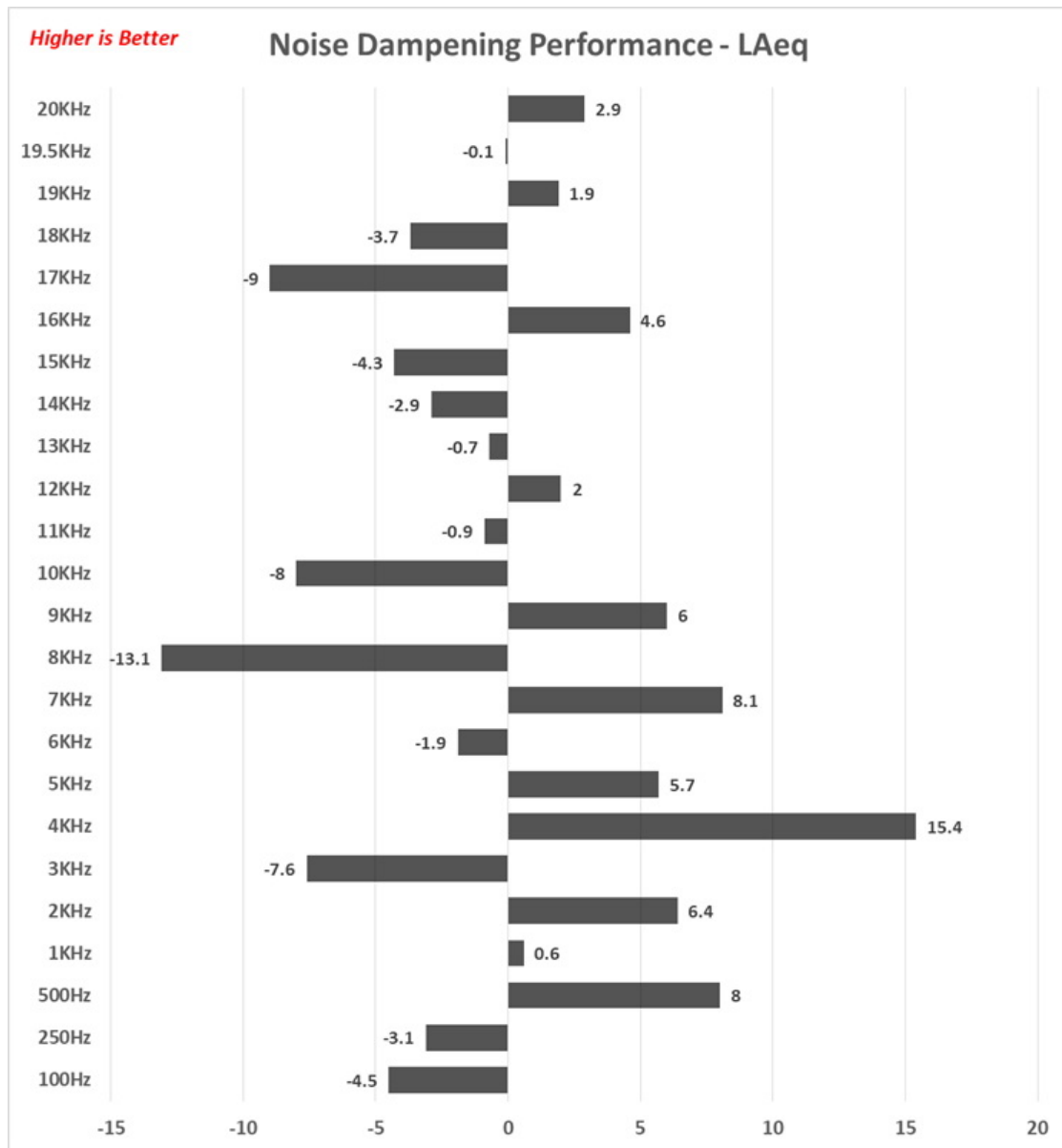
INFO

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

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Noise Dampening Performance LAeq - Test Tones

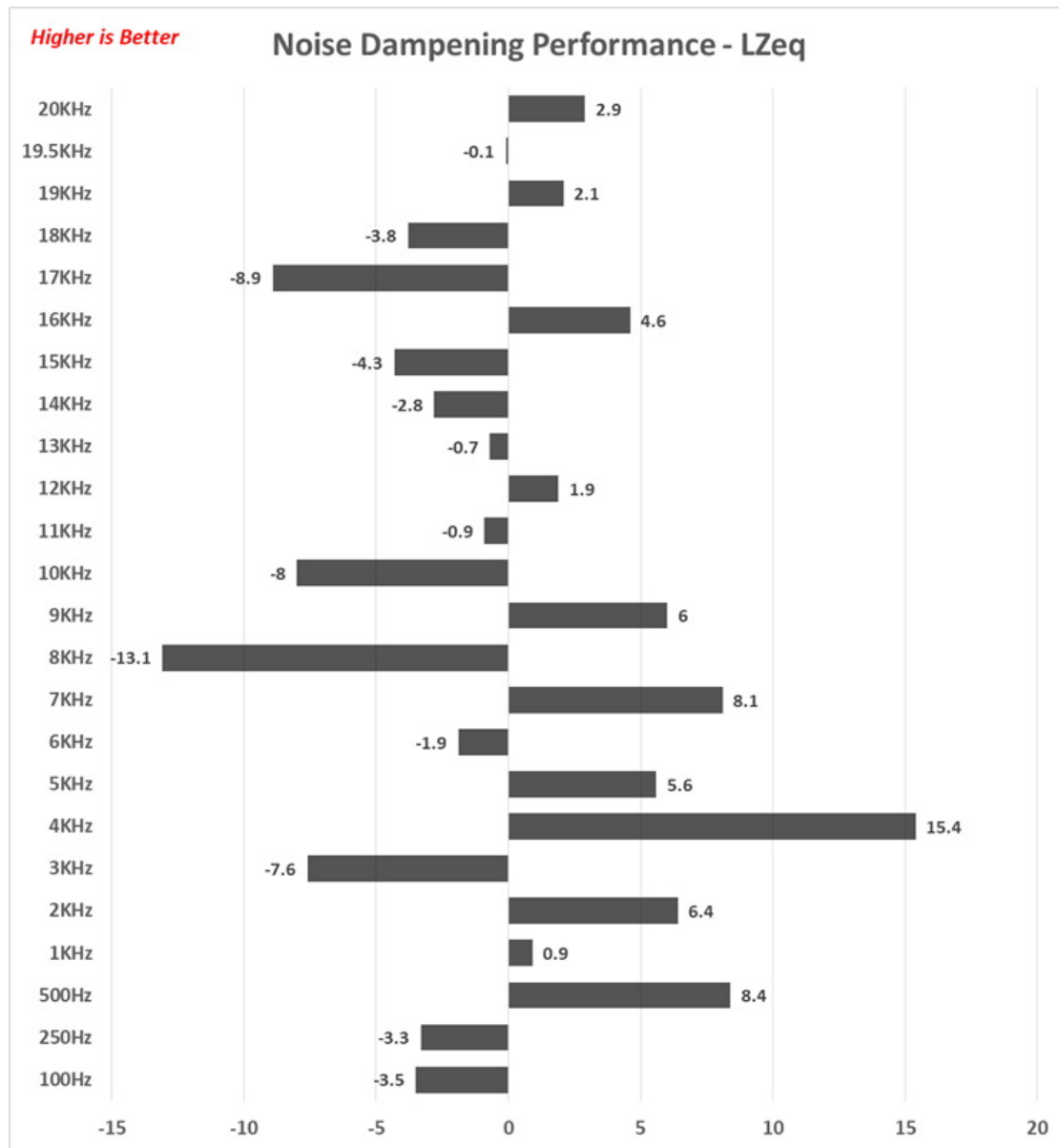


Noise Dampening Performance in dB(A) from 100 Hz to 20 kHz

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Noise Dampening Performance LZeq - Test Tones



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

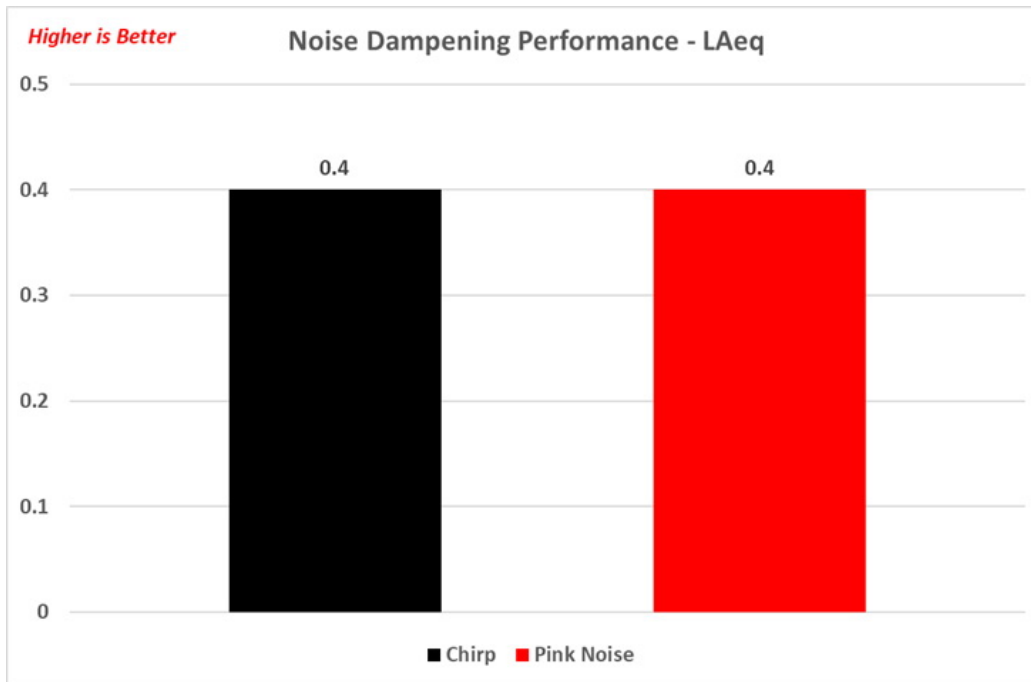
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Evaluation Report

Cooler Master MasterBox Q500L

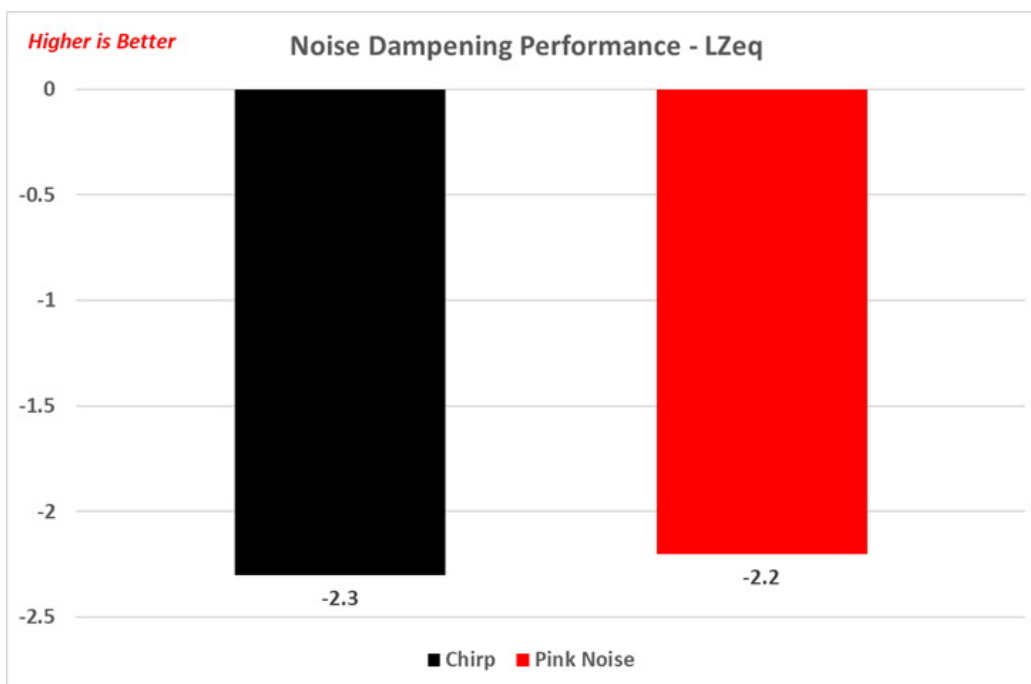
Noise Dampening Performance LAeq - Pink & Chirp



INFO

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

Noise Dampening Performance LZeq - Pink & Chirp



INFO

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

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

Evaluation Report

Cooler Master MasterBox Q500L



Case Photo #1



Case Photo #2

CERTIFICATIONS



All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case