



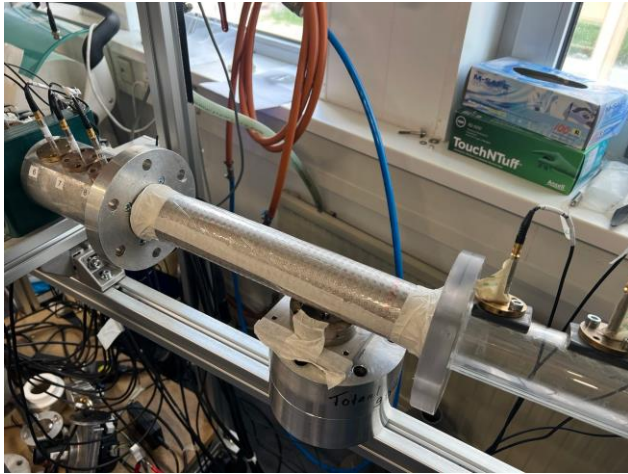
ATA MUTE

The Power of Silence

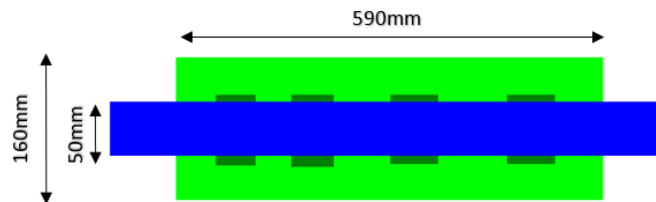
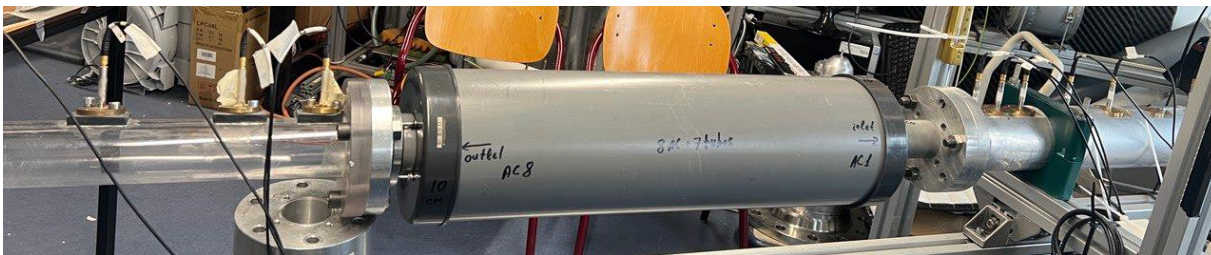
Acoustics and Thermo-Acoustic noise **M**utation

ABC exhaust muffler (without pressure loss)

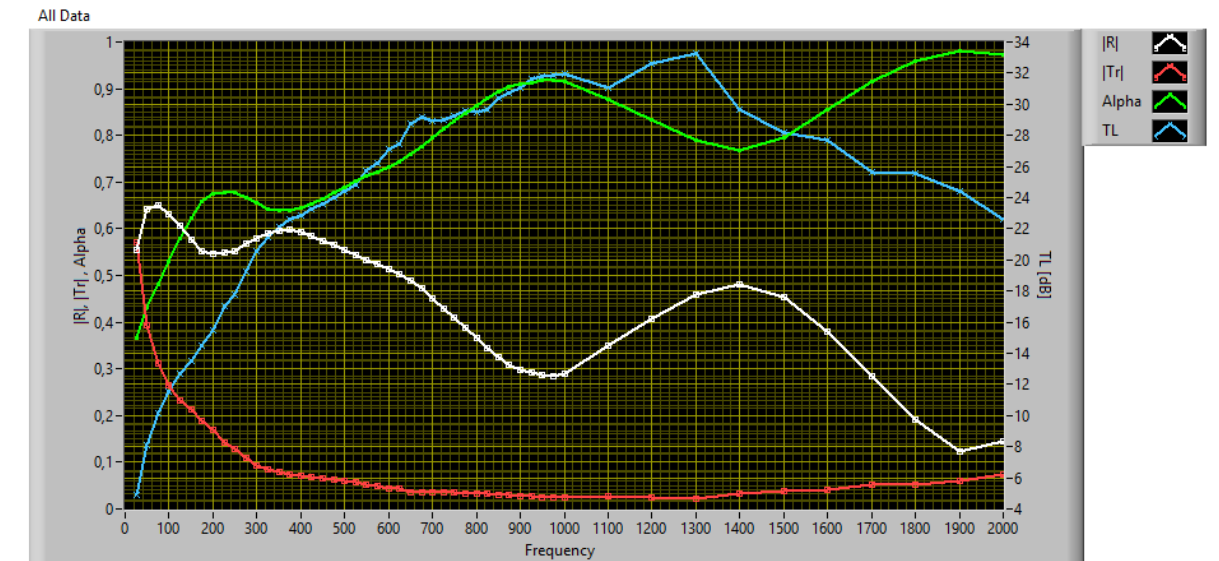
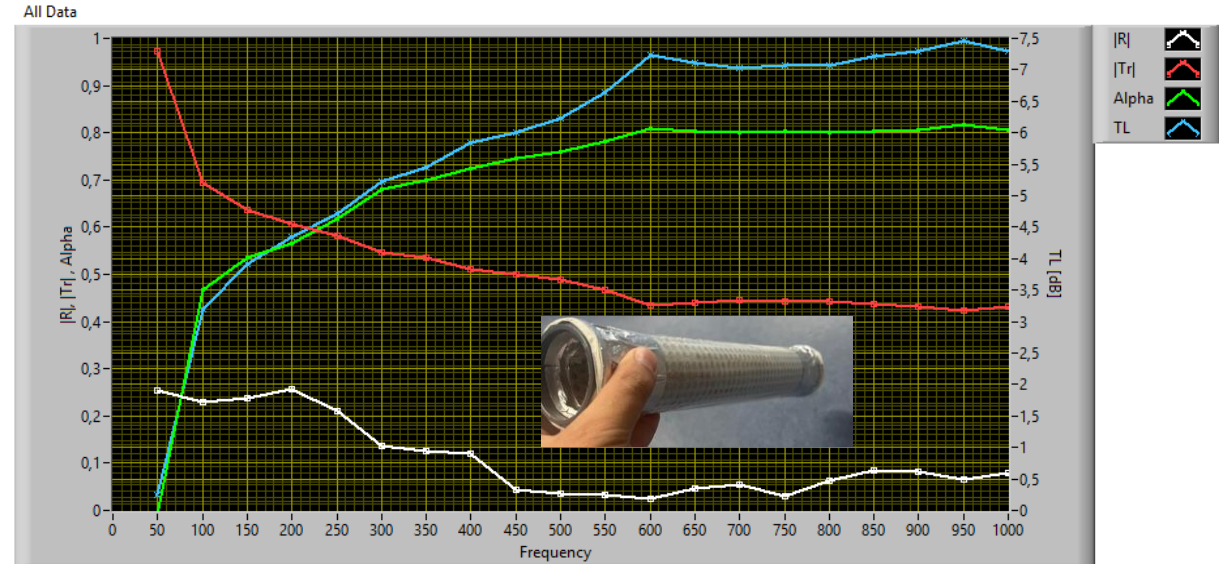
Hollow Silent pipe (L:30cm D: 5cm) with Low reflection coef. and high absorption.



Hollow Silent pipe (L: 60cm D: 16cm) with Low transmission coef. and high absorption.



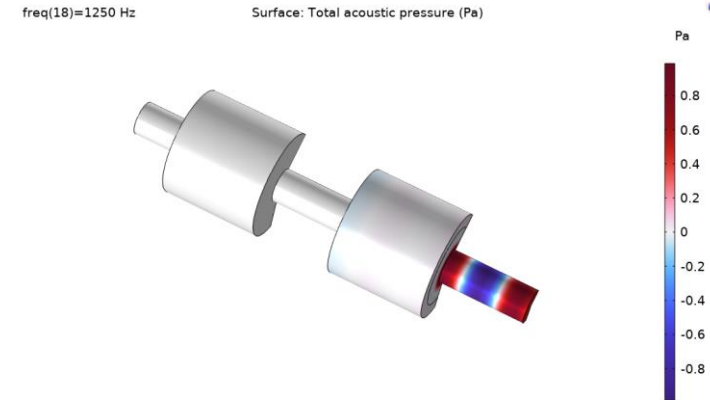
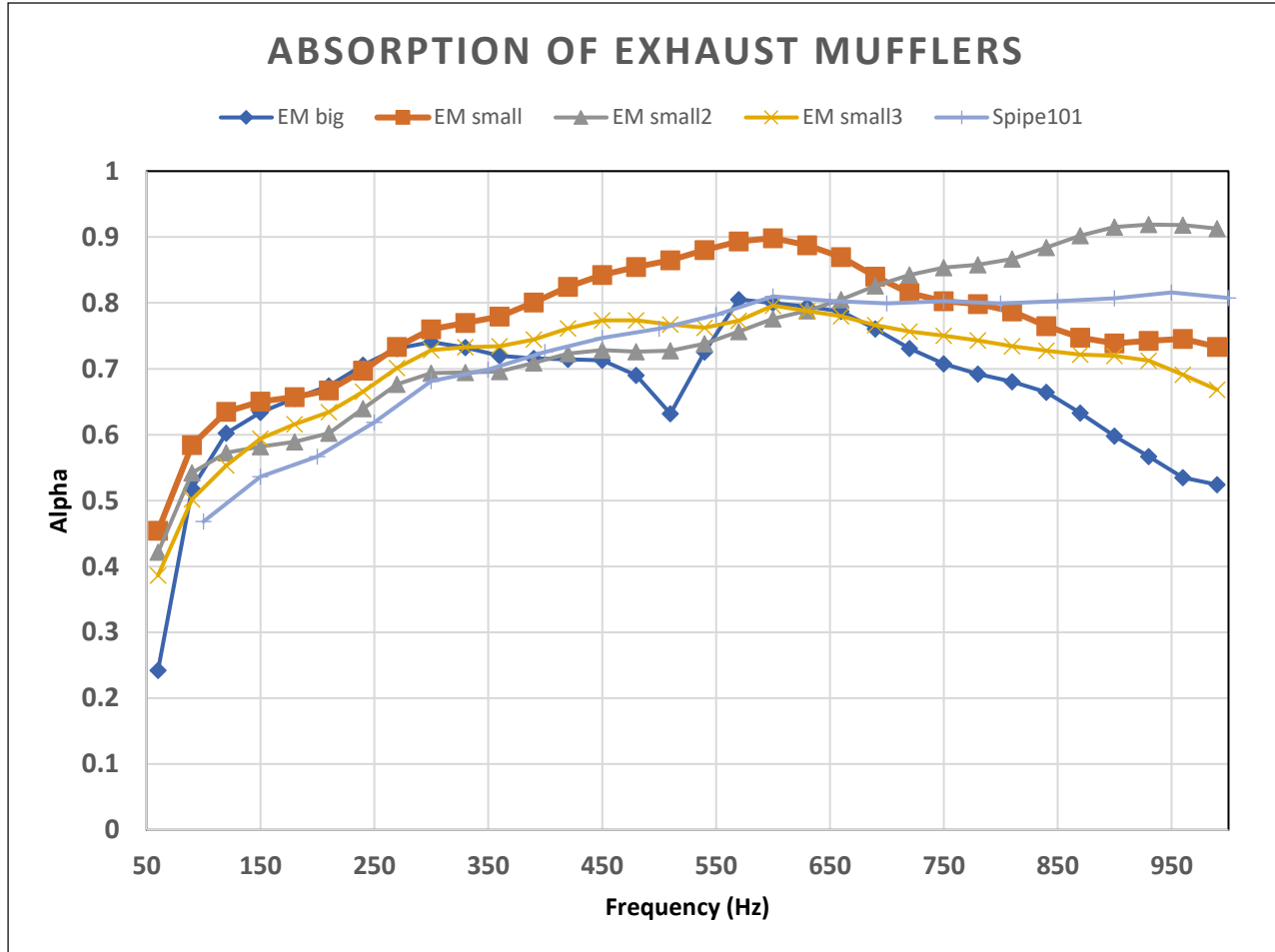
Measured results



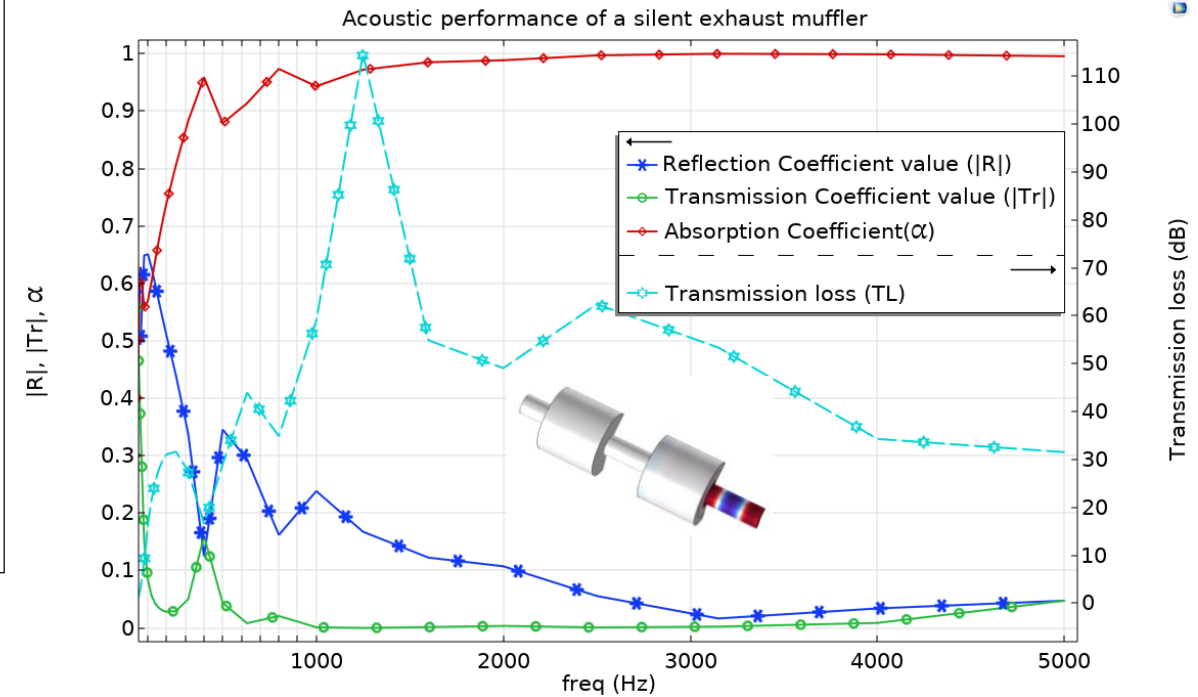
Absorption coef. (green line), Reflection coef. (white line), Transmission coef. (red line), Transmission Loss (blue line).

Exhaust muffler/ silencer (without any pressure drop)

Measured results



Simulation results



We reduce any noise



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