

Figure 2a: Addition of Damped Upper Baffle to empty HSTS structure (Longitudinal)

When a damped baffle panel is added to the empty HSTS structure, there is minimal impact on the first flagpole resonance (~60 Hz) and slight damping on the second longitudinally coupled resonance (~365 Hz)

Excitation is applied to the suspension cage in the Z direction (longitudinal) without a moment arm about COM, with the accelerometer on the suspension cage as well.

Measurement 43 is a baseline measurement of the empty HSTS structure

Measurement 28 includes a mounted Upper Baffle panel with D1700232, mounting bolts tightened 1/2 turn past hand tight

