

Figure 4: Damped vs Undamped Upper Baffle (Longitudinal)

When an Upper Baffle panel is damped, resonances present in the undamped mounting are suppressed. Damping is effective.

Both traces include a mounted Upper Baffle panel with D1700232 prototypes, excited at the top of the structure in the Z direction (longitudinal). Accel mounted to cage.

Measurement 28 was damped with mounting bolts tightened 1/2 turn past hand tight (under 10% compression)

Measurement 40 was undamped, with stainless steel washers used as spacers in place of viton o-rings

