

Figure 7: Damped vs Undamped Lower Baffle (Transverse)

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

Both traces include a mounted Lower Baffle panel with D1700236 prototypes, excited at the top of the structure in the Y direction (transverse). Accel mounted to cage.

Measurement 12 was damped with shoulder nuts tightened 1/2 turn past hand tight (under 10% compression)

Measurement 48 was undamped, with stainless steel washers used as spacers in place of viton o-rings

