



**AEA Technology
Rail**

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2nd September 2005

Dear Tony,

MARL EQUIPMENT TEST TO AV/ST9001 CRASH PULSE

As part of ongoing research into emergency lighting on passenger carrying rail vehicles, it was considered necessary to test current and available equipment to the vehicle crash pulse as defined in the Code of Practice AV/ST9001 to determine the robustness of equipment in collision conditions.

I am pleased to confirm that upon witnessing the tests on the 23rd June 2005, at the Transport Research Laboratory, that both of your lighting units survived without discernable damage and with fully retained functionality. The unit numbers tested were:

Grey Hi-Light: 027-997-25-51 BR (CAT NO: 064/007669)

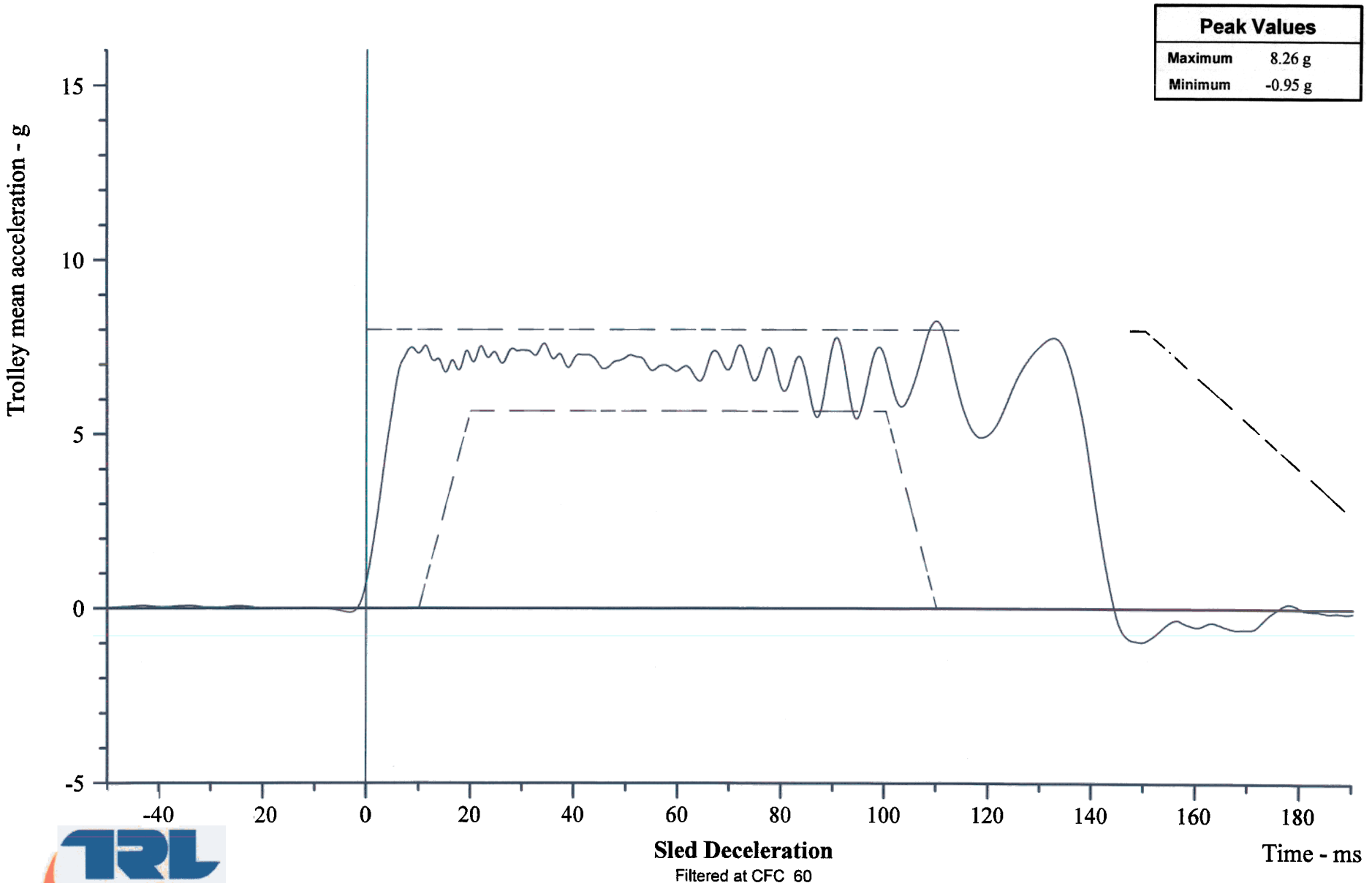
White Hi-Light: 027-997-25-50 BR (CAT NO: 064/007511)

The deceleration pulse for the tests conducted are attached to this letter. This pulse is within the boundaries defined in AV/ST9001, this confirms the units' ability to meet best practice for vehicle interior components.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Joe Freeman', written over a light blue horizontal line.

Joe Freeman
Project Engineer



10RD11: Rail Seat Test: 2xHIII 5%: 23/06/2005: 9.1m/s