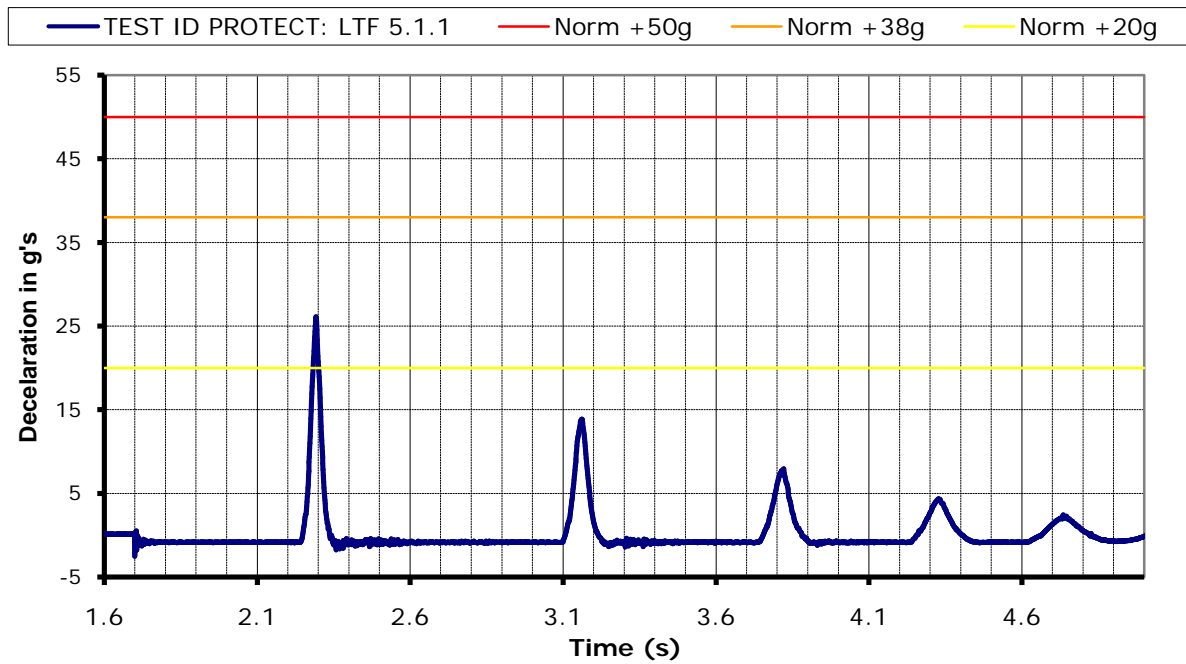




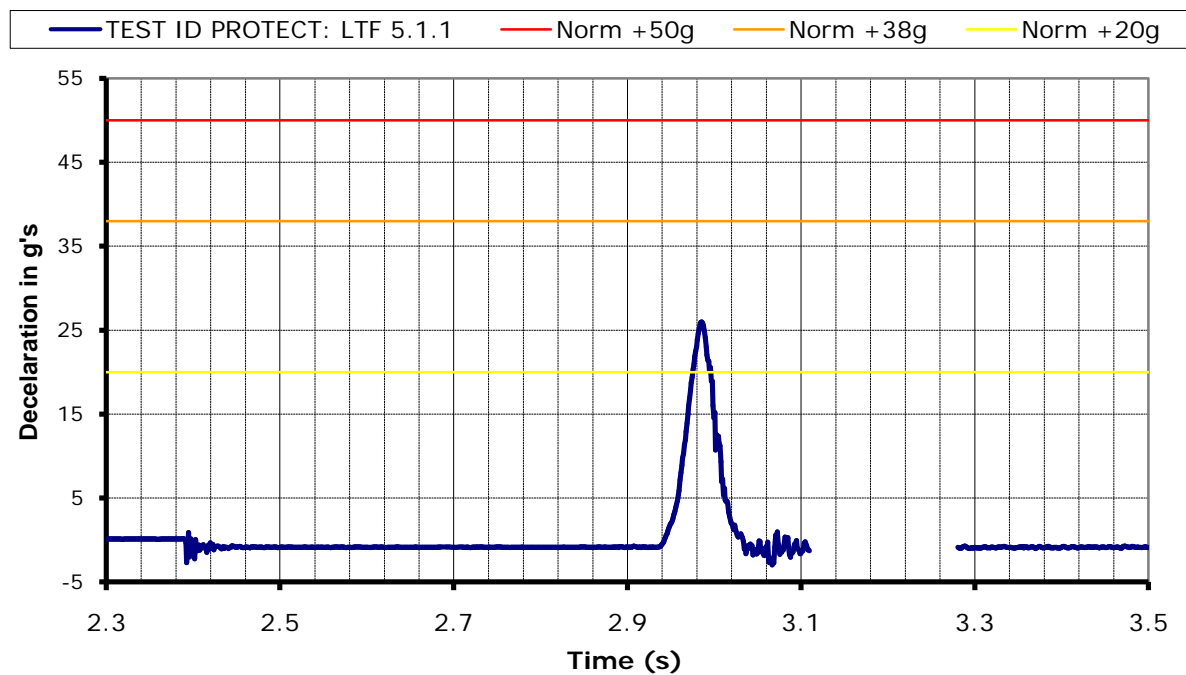
Protector shock test		Test ID Protect
Item:	Fantom	
Manufacturer	Karpofly	
Test place & date:	Villeneuve	25.09.2012
Test responsible:	Eriksen Randi	
Temp. [°C] & Humidity:	24° / 43% / 1001 hPa	
Maximum certified pilot weight [kg]:	100	kg
<b>Standard</b>	2. DV LuftGerPV §1, Nr. 7 c	
Test standard §:	5.1.1	
Test setup:	<p>Harness attached to protector test dummy, in a similar way like a real pilot in flight.</p> <p>Impact will be simulated by dropping the dummy from a certain height (with and without reserve).</p> <p>To simulate the "in-flight" conditions, the airbag is inflated with pressurized air equalling an airspeed of 7m/s. Inflation has to be stopped at least 5 sec before impact.</p> <p>Impact will be measured by an accelerometer mounted on the dummy. (Impact measured in g's)</p>	
Requirements:	<p><b>Minimum height:</b> 1.65 m (between lowest point test dummy and impact surface)</p> <p><b>Impact requirements:</b> +50g as absolute maximum; +38g during less than 7 msec; +20g during less than 25 msec.</p> <p><b>Repetitions:</b> The test will be performed 2 times, minimum 1 hour and maximum 2 hours after the first impact (with airbag protectors this pause is not necessary). The 2 Max-values should not differ more than 20%</p>	
<b>Results</b>		
<u>Shock test 1:</u>		
Impact at a height of 1.65m:	25.86	
Impact duration of + 38 g (if any):	0	
Impact duration of +20 g (if any):	0.01701	
<u>Shock test 2:</u>		
Impact at a height of 1.65m:	25.696	
Impact duration of + 38 g (if any):	0	
Impact duration of +20 g (if any):	0.019	
Test Result:	<b>Passed</b>	



Graph 1:



Graph 2:



Air Turquoise SA certified by



**Air Turquoise S.A. - Certification of paraglider equipment**  
 Tested in accordance with EN 1651:1999 and 2.DV LuftGerPV§1, Nr.7c

Annex TEST ID Protect 1  
 Prepared by RE  
 Rev.0, 25.01.2011  
 No. 71.9.3