



## Flight and Load test report - EN 12491:2001

**Manufacturer** Air MKG  
**Address** 1096, av André Lasquin  
 74700 Sallanches  
 France

**Certification number:** EP 042.2011  
**Type/model:** Krisis Ultra Light 80  
**Total weight in flight:** 80 kg

Description of tests	place:	date:	result:
<b>1. Deployment system strength test</b> A load of 700 N between each components	Villeneuve	29.11.2010	OK
<b>2. Speed of opening test - ref. A (2 times)</b> Time from the instant of free drop until a load of 200 N is sustained Opening time Opening time	Villeneuve	15.12.2004 01.02.2007	< 5 seconds < 5 seconds
<b>3. Descent rate and stability test - ref. A and B (2 times)</b> The paraglider is released as the parachute begins to open, minimum 100 m descent. Stability 1 Sink rate 1 Stability 2 Sink rate 2	Villeneuve	15.12.2004 15.12.2004 01.02.2007 01.02.2007	Stable 5.5 m/sec Stable 5.21 m/sec
<b>4. Strength test 40 m/s opening shock (2 times)</b> The drop test device is accelerated to a straight line velocity of 40 m/s and the parachute deployment handle activated using a static line attached to a drogue chute. Speed of opening is less than 5 seconds Test 1 Test 2	France by Aérotest	15.07.2007 15.07.2007	OK OK
<b>5. Interaction and stability test (piloted) - ref. C</b> a the emergency parachute is deployed from a paraglider in normal straight flight. b the pilot shall take no action while the behaviour of the parachute and paraglider are observed 200 metres. c the pilot take action while the behaviour of the parachute and paraglider are observed 200 metres.			not available  not available  not available

The model described is in conformity with the flight and load tests carried out by Air Turquoise SA.



For Air Turquoise SA

Alain Zoller

**Air Turquoise SA**  
 Route du Pré-au-Comte 8  
 Case postale 10  
 CH- 1844 Villeneuve  
 email: info@para-test.com

homepage: www.para-test.com



**Weather data, ref. 3 and B**

Date / place	hPa	wind	temp	humidity
Villeneuve, December 15, 2004	991.3 hPa	2.9 km/h	2.6 °	78.5%
<i>Corrected mass:</i>	<b>81.70</b>			
Villeneuve, February 01, 2007				
<i>Corrected mass:</i>	981.2 hPa	2.9 km/h	0.9°	69.7%
	<b>81.40</b>			

**Reference**

A. At horizontal airspeed 8 m/s and vertical speed 1.5 m/s

B. Formula to be used for correcting the test mass ofr differences from ICAO standard atmosphere

$$m_{corr} := m_{dec} \cdot \frac{p \cdot T_0}{p_0 \cdot T}$$

Ground level atmospheric pressure at the test location: (p)

ICAO standard atmospheric pressure at MSL: (p<sub>0</sub>)

Ground level température at the test location: (T)

ICAO standard temperature at MSL: (T<sub>0</sub>)

Total weight in flight: (m<sub>dec</sub>)

Corrected mass: (m<sub>corr</sub>)


C. Only parachute with controls for steering and landing flare



**Air Turquoise SA**

Route du Pré-au-Comte 8  
 Case postale 10  
 CH - 1844 Villeneuve  
 Switzerland  
 mobile: +41 79 202 52 30  
 Tel. no : +41 21 965 65 65  
 fax : +41 219 65 65 68  
 email: info@para-test.com  
 homepage: www.para-test.com

**For Air Turquoise SA**



Alain Zoller

