

TEST REPORT		AVENNE Patrick	Date	16-avr-08	
MANUFACTORY	NERVURES	MODEL	FAIAL	SIZE	L
Procédure	Min weight	Weight in flight	90 kg		
HARNAIS	SUP AIR EVO XC2	TYPE	abs	VENTRAL	42 cm
			LABORATOIRE AEROTEST TEULIER Vincent +33680121809 teulier.v.s@wanadoo.fr		
			Measurements and possible ranges		
1 Rising behaviour			Smooth, easy and constant rising	A	
2 Special take off technique			No	A	
Measurements and possible ranges in the landing test					
Special landing technique required			No	A	
Measurements and possible ranges in the speeds in straight flight test					
Measurement and ranges					
1 Trim speed more than 30 km/h			Yes	A	
2 Speed range using the controls larger than 10 km/h			Yes	A	
3 Minimum speed			Less than 25 km/h	A	
Classification of a paraglider's behaviour in the control movement test					
Max weight in flight		80 to 100 kg			
			increasing greater than 60 cm	A	
Classification of a paraglider's behaviour in the pitch stability exiting accelerated flight test					
1 Dive forward angle on exit			Dive forward less than 30°	A	
2 Collapse occurs			No	A	
Classification of a paraglider's behaviour in the pitch stability operating controls during accelerated flight test					
Collapse occurs			No	A	
Classification of a paraglider's behaviour in the roll stability and damping test					
Oscillations			Reducing	A	
Classification of a paraglider's behaviour in the stability in gentle spirals test					
Tendency to return to straight flight			Spontaneous exit	A	
Classification of a paraglider's behaviour in the behaviour in a steeply banked turn test					
Sink rate after two turns			up to 12 m/s	A	
Classification of a paraglider's behaviour in the symmetric front collapse test					
Entry			Rocking back less than 45°	A	
Recovery			Spontaneous in less than 3 s	A	
Dive forward angle on exit			Dive forward 0° to 30° Keeping course	A	
Cascade occurs			No	A	

Classification of a paraglider's behaviour in the symmetric front collapse test accelerated		
Entry	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	A
Classification of a paraglider's behaviour in the exiting deep stall (parachutal stall) test		
1 Deep stall achieved	No	A
2 Recovery	Spontaneous in less than 3 s	A
3 Dive forward angle on exit	Dive forward 0° to 30°	A
4 Change of course	Changing course less than 45°	A
5 Cascade occurs	No	A
Classification of a paraglider's behaviour in the high angle of attack recovery test		
1 Recovery	Spontaneous in less than 3s	A
2 Cascade occurs	No	A
Classification of a paraglider's behaviour in the full stall test		
1 Dive forward angle on exit	Dive forward 0 et 30°	A
2 Collapse	No collapse	A
3 Cascade occurs (other than collapses)	No	A
4 Rocking back	Less than 45°	A
5 Line tension	Most lines tight	A
Classification of a paraglider's behaviour in the asymmetric collapse test to 50%		
Change of course until re-inflation	Less then 90° Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test to 50% full speed

Change of course until re-inflation	Less than 90° Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test 75%

Change of course until re-inflation	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test 75% full speed

Change of course until re-inflation	180° to 360° Dive or roll angle 45° to 60°	C
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

Measurements and possible ranges in the directional control with a maintained

1 Able to keep course	Yes	A
2 180° turn away from the collapsed side possible in 10 s	Yes	A
3 Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A

Measurements and possible ranges in the trim speed spin tendency test

Spin occurs	No	A
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Measurements and possible ranges in the low speed spin tendency test		
Spin occurs	No	A
Classification of a paraglider's behaviour in the recovery from a developed spin test		
1 Spin rotation angle after release	Stops spinning in less than 90°	A
2 Cascade occurs	No	A
Classification of a paraglider's behaviour in the B-line stall test		
1 Change of course before release	Changing course less than 45°	A
2 Behaviour before release	Remains stable with straight span	A
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Cascade occurs	No	A
Classification of a paraglider's behaviour in the big ears test		
1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
Classification of a paraglider's behaviour in the big ears in accelerated flight test		
1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in 3 s to 5 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A
Classification of a paraglider's behaviour in the behaviour exiting a steep spiral test		
1 Tendency to return to straight flight	Spontaneous exit	A
2 Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A
Classification of a paraglider's behaviour in the alternative means of directional control test		
1 180° turn achievable in 20 s	Yes	A
2 Stall or spin occurs	No	A