


TEST REPORT		AVENNE Patrick	Date	16-avr-08	
MANUFACTORY	AXISPARA	MODEL	VENUS 2	SIZE	M
Procédure	Min weight	Weight in flight	85 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

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|------------------------------------|----|---|
| Special landing technique required | No | A |
|------------------------------------|----|---|

Measurements and possible ranges in the speeds in straight flight test

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|--|-------------------|---|
| 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

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|----------------------|--------------|------------------------|---|
| Max weight in flight | 80 to 100 kg | increasing 45 to 60 cm | C |
|----------------------|--------------|------------------------|---|

Classification of a paraglider's behaviour in the pitch stability exiting accelerated flight test

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|------------------------------|----------------------------|---|
| 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

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|---------------------------|--------------|---|
| Sink rate after two turns | up to 12 m/s | A |
|---------------------------|--------------|---|

Classification of a paraglider's behaviour in the symmetric front collapse test

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|----------|------------------------------|---|
| 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 greater than 45°	C
Recovery	Spontaneous in 3 s to 5 s	B
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 30 et 60°	B
2 Collapse	No collapse	A
3 Cascade occurs (other than collapses)	No	A
4 Rocking back	Greater than 45°	C
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 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 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	90° to 180° Dive or roll angle 60° to 90°	C
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	Yes, no turn reversal	C
Twist occurs	No	A
Cascade occurs	No	A

Measurements and possible ranges in the directional control with a maintained asymmetric collapse test

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
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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	Recovery through pilot action in less than a further 3 s	B
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	Turn remains constant	D
2 Turn angle to recover normal flight	With pilot action	D

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