

<b>Herschel</b>	Grounding / isolation test report	Ref procedure : Sap-FIRST-JF-0689-06Iss 1.1
	Equipment : HSFCU	Ref As run : Sap-SPIRE-ch-412-06

<b>Operator(s)</b>	<b>Date</b>	<b>Environmental conditions</b>	<b>Test equipment</b>
C. Herviou	21/07/2006	Temp. : 22°C Humidity : 45rh	Model / type : s/n :

## 1 HS\_FCU Mechanical continuity

<b>Meas point A</b>	<b>Meas point B</b>	<b>Meas sens : A+ / B-</b>		<b>Meas sens : A- / B+</b>		<b>comments</b>
		<b>Expected value</b>	<b>Measured value</b>	<b>Expected value</b>	<b>Measured value</b>	
Bonding stud	Ref hole	< 2.5 mΩ	<2.4mΩ	< 2.5 mΩ	<2.4mΩ	
J01 shell	J017 shell	< 5 mΩ	<1mΩ			
J02 shell	J18 shell	< 5 mΩ	<1mΩ			
J03 shell	JJ11 shell	< 5 mΩ	<1mΩ			
J04 shell	J12 shell	< 5 mΩ	<1mΩ			
J11 shell	J13 shell	< 5 mΩ	<1mΩ			
J12 shell	J14 shell	< 5 mΩ	<1mΩ			
J17 shell	J29 shell	< 5 mΩ	<1mΩ			
J18 shell	J30 shell	< 5 mΩ	<1mΩ			
J19 shell	J20 shell	< 5 mΩ	<1mΩ			
J21 shell	J23 shell	< 5 mΩ	<1mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
J22 shell	J24 shell	< 5 mΩ	<1mΩ			
J23 shell	J25 shell	< 5 mΩ	<1mΩ			
J24 shell	J26 shell	< 5 mΩ	<1mΩ			
J31 shell	Harness shield	< 5 mΩ	<1mΩ			
J32 shell	Harness shield	< 5 mΩ	<1mΩ			
J35 shell	Harness shield	< 5 mΩ	<1mΩ			
J36 shell	Harness shield	< 5 mΩ	<1mΩ			

## 2 HS\_FCU Electrical continuity

<i>Meas point A</i>	<i>Meas point B</i>	<i>Meas sens : A+ / B-</i>		<i>Meas sens : A- / B+</i>		<i>comments</i>
		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
Bonding stud	J01.5	< 1 Ω	26mΩ			
	J01.9	< 1 Ω	30mΩ			
	J01.12	< 1 Ω	32mΩ			
	J01.23	< 1 Ω	32mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
	J02.5	< 1 Ω	27mΩ			
	J02.9	< 1 Ω	31mΩ			
	J02.12	< 1 Ω	34mΩ			
	J02.23	< 1 Ω	32mΩ			
	J03.5	< 1 Ω	12mΩ			
	J03.9	< 1 Ω	12mΩ			
	J03.12	< 1 Ω	12mΩ			
	J03.23	< 1 Ω	12mΩ			
	J04.5	< 1 Ω	12mΩ			
	J04.9	< 1 Ω	12mΩ			
	J04.12	< 1 Ω	12mΩ			
	J04.23	< 1 Ω	12mΩ			
	J11.13	< 1 Ω	12mΩ			
	J12.13	< 1 Ω	11mΩ			
	J13.4	< 1 Ω	13mΩ			
	J14.4	< 1 Ω	12mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
	J17.3	< 1 Ω	23mΩ			
	J17.9	< 1 Ω	18mΩ			
	J17.12	< 1 Ω	17mΩ			
	J17.15	< 1 Ω	16mΩ			
	J17.18	< 1 Ω	14mΩ			
	J17.20	< 1 Ω	22mΩ			
	J17.23	< 1 Ω	22mΩ			
	J17.26	< 1 Ω	20mΩ			
	J17.29	< 1 Ω	19mΩ			
	J17.32	< 1 Ω	16mΩ			
	J17.35	< 1 Ω	14mΩ			
	J18.3	< 1 Ω	26mΩ			
	J18.9	< 1 Ω	21mΩ			
	J18.12	< 1 Ω	19mΩ			
	J18.15	< 1 Ω	18mΩ			
	J18.18	< 1 Ω	16mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
	J18.20	< 1 Ω	25mΩ			
	J18.23	< 1 Ω	24mΩ			
	J18.26	< 1 Ω	22mΩ			
	J18.29	< 1 Ω	20mΩ			
	J18.32	< 1 Ω	18mΩ			
	J18.35	< 1 Ω	17mΩ			
	J19.17	< 1 Ω	20mΩ			
	J19.22	< 1 Ω	24mΩ			
	J19.33	< 1 Ω	20mΩ			
	J20.17	< 1 Ω	25mΩ			
	J20.22	< 1 Ω	19mΩ			
	J20.33	< 1 Ω	23mΩ			
	J21.3	< 1 Ω	14mΩ			
	J21.8	< 1 Ω	14mΩ			
	J21.13	< 1 Ω	14mΩ			
	J22.3	< 1 Ω	13mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
	J22.8	< 1 Ω	14mΩ			
	J22.13	< 1 Ω	14mΩ			
	J23.34	< 1 Ω	17mΩ			
	J23.38	< 1 Ω	15mΩ			
	J23.43	< 1 Ω	14mΩ			
	J23.46	< 1 Ω	15mΩ			
	J23.49	< 1 Ω	16mΩ			
	J24.34	< 1 Ω	15mΩ			
	J24.38	< 1 Ω	15mΩ			
	J24.43	< 1 Ω	14mΩ			
	J24.46	< 1 Ω	14mΩ			
	J24.49	< 1 Ω	15mΩ			
	J25.3	< 1 Ω	14mΩ			
	J25.13	< 1 Ω	14mΩ			
	J26.3	< 1 Ω	13mΩ			
	J26.13	< 1 Ω	14mΩ			

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		<i>Expected value</i>	<i>Measured value</i>	<i>Expected value</i>	<i>Measured value</i>	
	J29.3	< 1 Ω	21mΩ			
	J29.6	< 1 Ω	19mΩ			
	J29.20	< 1 Ω	22mΩ			
	J29.23	< 1 Ω	20mΩ			
	J29.32	< 1 Ω	16mΩ			
	J29.34	< 1 Ω	16mΩ			
	J29.36	< 1 Ω	14mΩ			
	J30.3	< 1 Ω	23mΩ			
	J30.6	< 1 Ω	21mΩ			
	J30.20	< 1 Ω	23mΩ			
	J30.23	< 1 Ω	22mΩ			
	J30.32	< 1 Ω	18mΩ			
	J30.34	< 1 Ω	18mΩ			
	J30.36	< 1 Ω	17mΩ			