

RFD/RFW Number:

FLX-RFD-ALM-CU-0013

Issue

1.0

Spacecraft / Project	FLORIS	Originator's Name	Thomas Gandy	
System / Experiment / Model	FLEX	Signature / Date		
Sub-System		Request Type (Highlight applicable request)	Waiver (RFW)	Deviation (RFD)
Assembly	EQM/PFM	Organisation	Almatech	
Sub-Assembly	Calibration Unit	Ref. Doc. / Drwg No.	ALM-PRO-4171	
Item	-	References	-	
Serial No.	EQM, PFM			

RFW/RFD Title	Aperture oversizing
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End Items(s) Affected (Hardware, Software)				
Name	CI-Number	Model(s)		
Calibration Unit		EQM, PFM		
Requirement / Interface Documents Affected				
Specification/Drawing Title	Number	Issue	Date	App. Paragraph
FLORIS Instrument General design and interface requirements (GDIR)	FLX-RS-FNM-INS-0029	3	10.03.2017	6.4.6
Description of Deviation / Discrepancy / Non-Conformance				
<p>FLO-INS-GDI-REQ-3180 says :</p> <p><i>Each optical surface shall present a free mechanical aperture which is oversized of at least 2 mm along both axis wrt the minimum clear aperture (no stray light from mechanics).</i></p> <p>Almatech is partially compliant with this requirement as the sun diffuser dimensions are 102mm x 96.2mm x 8 mm. The required dimensions are 100mm x 94 mm x 8mm. Therefore, the in plane dimensions are oversized by a total of 2mm and 2.2mm respectively: 1mm and 1.1mm on each side.</p>				
Other Items or Requirements (Potentially) Affected				
None				
Need for RFW/RFD and Rationale for Acceptance				
The available dimensions did not allow to oversize more the sun diffuser.				

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RFD/RFD CLOSED	Name	Sign & Date	
		Approved	Rejected
Project Manager / Engineering: (Sub System)	Gianluigi Capo		
Engineering: (Almatech)	Marco Lai		
Product Assurance: (Almatech)	Thomas Gandy		
Project Manager: (Leonardo)			
Engineering: (Leonardo)			
Product Assurance: (Leonardo)			
Engineering (ESA)			
Contract Manager (ESA)			

Continuation sheet: