

SPIRE

SUBJECT: SPIRE CQM Qualification Matrix

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ISSUE: 2

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Date:

Distribution

Change Record

ISSUE	DATE	
1	21/10/04	Prepared for CQM EIDP
2	12/11/04	FPU and JFET electrical interface changed to “no external interface” Note added explaining key in the table Note on EMC test at CQM level added.

Scope

This qualification matrix is an extract of the matrix in IID-B section 9.8, with the test report numbers added that refer to that particular test.

For CQM, some requirements have been verified on the SM or AM which were based on the same hardware.

References

Applicable Documents

AD 1 SCI-PT-IIDB/SPIRE-02124 SPIRE IID-B

Reference Documents

Model	Unit	Vibration	Shock	Thermal	Performance	Functional	Electrical interface	Mechanical interface	EMC
AVM	DPU (AVM1)	no	no	no	SPIRE-RAL-REP-002083	SPIRE-IFS-REP-001385	SPIRE-IFS-REP-001385	no	no
SM	FPU	SPIRE-MSS-REP-001878	no	no	no	no	no	no	no
AM	FPU	no	no	no	SPIRE-LAM-REP-002090 SPIRE-RAL-NOT-001807	no	no	no	no
CQM	FPU	SPIRE-MSS-REP-002049	no	SPIRE-RAL-REP-002078	SPIRE-RAL-REP-002083	SPIRE-RAL-REP-002084	No external interface	SPIRE-RAL-DOC-002166	SPIRE-RAL-REP-002167 This test was indicative only and should not be considered a qualification test.
	JFET	SPIRE-MSS-REP-002049	no	SPIRE-RAL-REP-002078	SPIRE-RAL-REP-002083	SPIRE-RAL-REP-002084	No external interface	SPIRE-RAL-DOC-002166	
	DPU (AVM1)	no	no	no	SPIRE-RAL-REP-002083	SPIRE-RAL-REP-002084	SPIRE-IFS-REP-001385	No	
	FCU (QM1)	no	no	no	SPIRE-RAL-REP-002083	SPIRE-RAL-REP-002084	SAP-SPIRE-CCa-0129-03	No	
	DCU (QM1)	no	no	no	SPIRE-RAL-REP-002083	SPIRE-RAL-REP-002084	SAP-SPIRE-CCa-0129-03	No	
QM non deliverable	DPU (QM)	Qual	no	TV qual	yes	yes	yes	yes	yes

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Project Document

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Model	Unit	Vibration	Shock	Thermal	Performance	Functional	Electrical interface	Mechanical interface	EMC
	FCU (QM2)	Qual	yes	TV qual	yes	yes	yes	yes	yes
	DCU (QM2)	Qual	yes	TV qual	yes	yes	yes	yes	yes
PFM	FPU	Acceptance cold	no	Yes	yes	yes	yes	yes	Limited conducted susceptibility testing with FPU in the test cryostat
	JFET	Acceptance cold	no	Yes	yes	yes	yes	yes	
	DPU	acceptance	no	TV acceptance	yes	yes	yes	yes	
	FCU	acceptance	no	TV acceptance	yes	yes	yes	yes	
	DCU	acceptance	no	TV acceptance	yes	yes	yes	yes	

Highlighted sections only apply to the CQM
No indicates no test will be performed
Yes indicates a test will be performed
A document number indicates a test has been performed.