APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title: R.F. ATTENUATORS FIXED, COAXIALBASED ON TYPE R413

Executive Member: CNES Date: 20/07/2018

Appl. No. 178K

1 Components (including series and families) submitted for Extension of Qualification Approval:

ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3403/005	33	0 dB (DC Shunt)		3403/005-33	
3403/005	53	10 dB		3403/005-53	
3403/005	63	20 dB		3403/005-63	
3403/008	23	SMA 2.9, 0 dB (DC Shunt)		3403/008-23	

2 Component Manufacturer

Radiall

3 Location of Manufacturing Plant(s)

Saint Quentin Fallavier (France)

4 Date of original qualification approval:

Date: 01/01/1991

Certificate Ref No. 178

5 ESCC Specifications used for Maintenance of qualification testing:

Generic: 3403 Issue: 6

Detail(s): 3403/005 Issue: 6

3403/008 Issue: 6

6 Deviations to LVT testing and Detail Specification used:

No ☐ Yes ☒ (supply details in Box 15)

Deviation from current Specifications:

No ☒ Yes ☐ (Supply details)

7 Qualification Extension Report reference and date:

MOQ report 2018.01.5159 Rev 1, 05/03/2018
MOQ report 2018.17.5220 (SMA 2.9), 17/04/2018
CA CNES DSO/AQ/LE-2018.0006687
CA ESA CA0003143

8 Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)

Project Name	Testing Level	LAT	Date code	Quantity Delivered
See Annex 1				

9 **PID** changes since start of qualification

None ☐

Minor* ☒

Major* ☐ *Provide details in box:

10 Current **PID** Verified by: CNES

Name of Excutive Representative

Ref No: R 413 899 650.PID and 335 99 999.PID

Issue: H Date: 05/03/2018

Rev Date: 05/03/2018

11 Current Manufacturing facilities surveyed by: CNES & ESA on 15/05/2018

(Name of Executive Representative) (Date)

Satisfactory: Yes ☒ No ☐ Explain

Report Reference: ESCC-AUD-RADF-2018-01

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Failure Analysis, DPA, NCCS available: Yes ☒ No ☐ (Supply data)

Ref. No's and purposes: NC1CRAD801 (delay in MOQ) and NC2CRAD802 (marking of variant numbers) have been closed out.

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The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; - that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of CNES as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.

Date: 20/07/2018

JP. BUSSENOT

(Signature of the Executive Coordinator)

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Continuation of Boxes above:

- Box 1: Variants from a new (improved) technology of the alrteady qualified coaxial loads from Radiall were tested during MOQ.

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Non compliance to ESCC requirements:

No.:	Specification	Paragraph	Non compliance
NC1CR AD801	3403 Issue 6		Delay in MOQ
NC2CR AD802	3403/005 Issue 5 3403/008 Issue 6		Matking variant numbers according to previous issue of Detail specifications.

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Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:

None, NCCS have been closed-out.

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Executive Manager Disposition

Application Approval: Yes ☒ No ☐

Action / Remarks:

Date:

Signature, ESA Representative

NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

ENTRIES

Form heading	shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.
Box 1	shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.
Box 2; 3 and 4	As per QPL entry; otherwise, an explanation of the changes must be supplied.
Box 5	Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.
Box 6	Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.
Box 7	Must reference the report(s) supplied in support of the application.
Box 8	Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.
Box 9	If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.
Box 10	Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.
Box 11	This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.
Box 12	Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.
Box 13	Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.
Box 14	To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.
Box 15	Fill in Table as requested.
Box 16	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
Box 17	All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.
Box 18	Fill in Table as requested.
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.
Box 20	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.
Box 21	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
Box 22	Additional Comments.