



DOCUMENT CHANGE REQUEST

DCR number 1349 Changes required for: General

Date: 2021/02/18

Date sent: 2020/06/19

Originator: Frederick Maillard

Organisation: Rakon

Status: IMPLEMENTED

Title: Generic Specification for CRYSTAL CONTROLLED OSCILLATORS

Number: 3503 Issue: 3

Other documents affected:

Page:

25 and 36

Paragraph:

8.13.2 qualification and periodic tests
Chart F4

Original wording:

8.13.2 qualification and periodic tests
"MIL-STD-883, Test Method 2001, Test Condition A (5000g), Y1 axis only."
Chart F4
"Constant Acceleration (5) i.a.w Para. 8.13.2"

Proposed wording:


8.13.2 qualification and periodic tests
"<< deleted >>."
Chart F4
Removal of the "Constant Acceleration" BOX from the flowchart F4

Justification:

Further the final NRB related to NCCS "NC2RAKC2002" held on 18.06.2020 (ESA/CNES/RAKON), it has been agreed to allow RAKON to omit the constant acceleration test performed during the LAT. The verification of the assembly is made by the acceleration test performed during the screening, no need to make it twice.

Indeed this test is considered as too stressful, cumulating Random vibrations, Mechanical Shocks and Constant Acceleration. Furthermore, this test is not required by MIL-PRF-55310 specification, nor by any other standard and it is not representative of the environment to be seen by the product during its product lifetime.

NOTE: The implementation of the above changes will induce a modification of the detail specification ESCC3503/001 in case DCR dated 19/06/2020 is implemented before this one.

Attachments:
N/A
Modifications:
N/A
Approval signature:

Date signed:
2021-02-18