



# TEST REPORT

## Seismic Resistance

### TEST REPORT N° 182737

This test report summary, resume the results of the tests realized by VIRLAB S.A. Laboratory issued the 22<sup>nd</sup> May 2018. VIRLAB is an accredited laboratory by the Spanish accreditation body (ENAC).

The test comply with the following standards:

**IEC 60980:1989.** Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations.

**EN 60068-2-6:2008** Environmental testing- Part 2-6: Tests- Test Fc: Vibration (sinusoidal)

**EN 60068-3-3:1993** Environmental testing- Part 3: Guidance- Seismic test methods for equipment.

**EN 60068-2-57:2013** Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history and sine-beat method.

**CRT 91 C 112 00** Tenue aux séismes des matériels. Dispositions génériques pour l'essai bi-axial par accélérogrammes

**RCC-E 2012 Code** Design and construction rules for electrical equipment of nuclear islands.

**Product Description:** EASYCONNECT steel wire mesh cable trays.

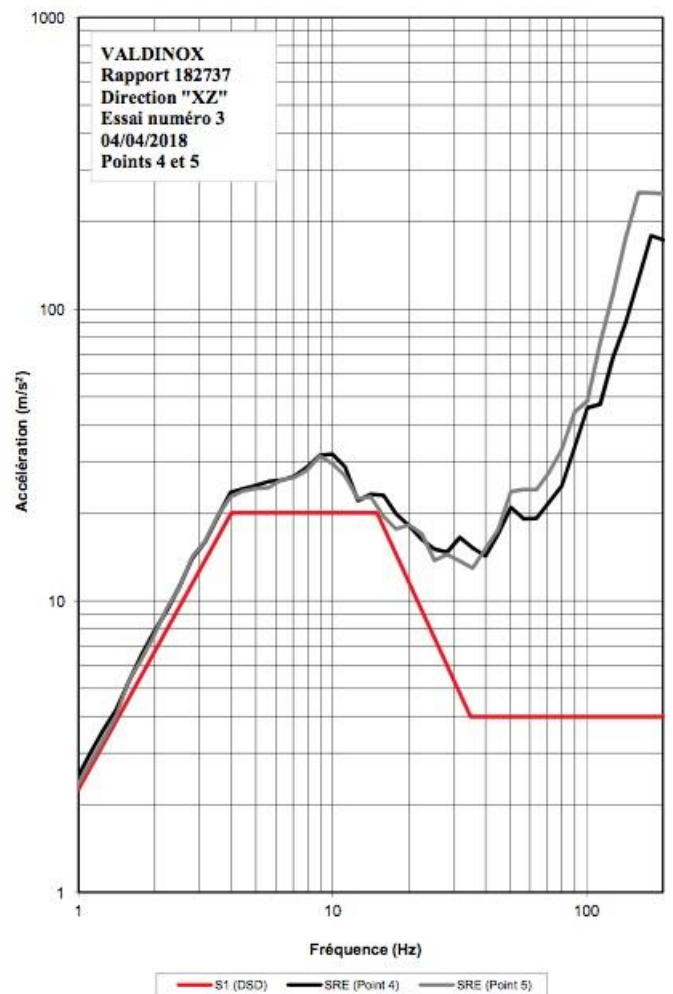
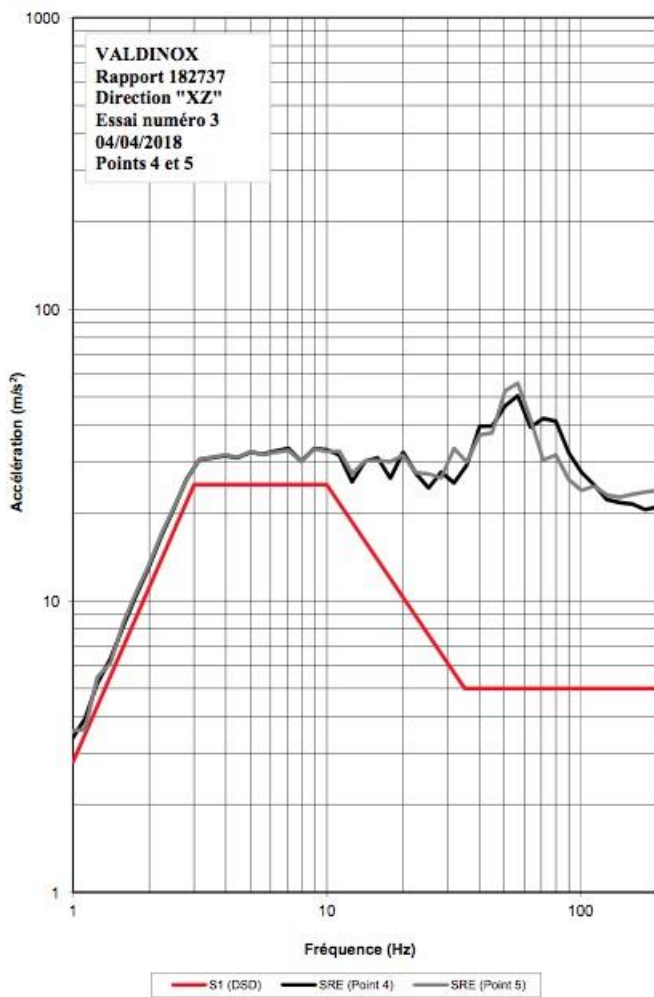
### Test Setup:

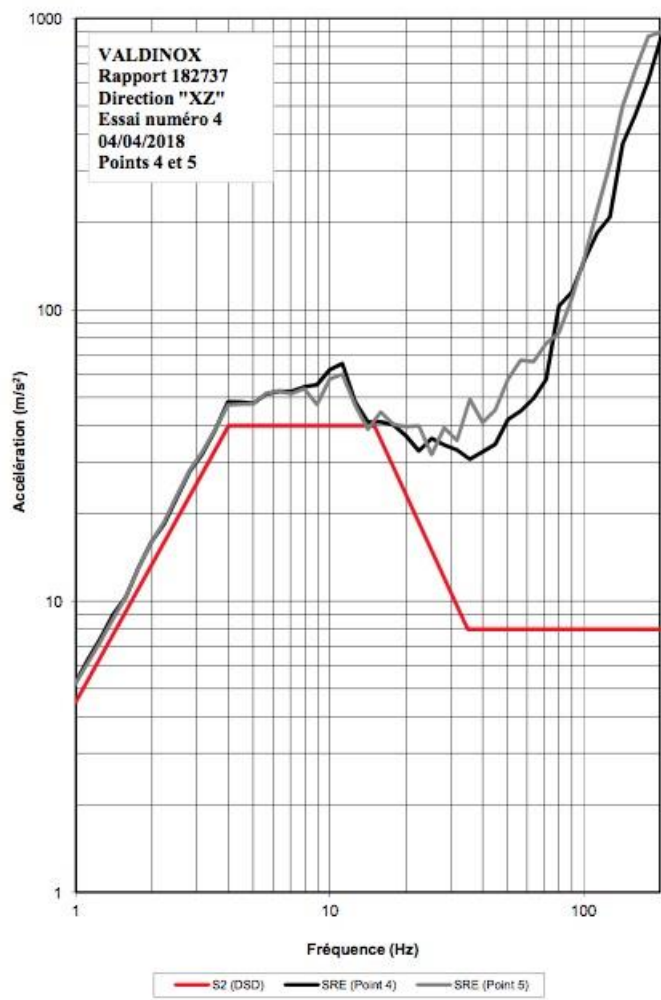
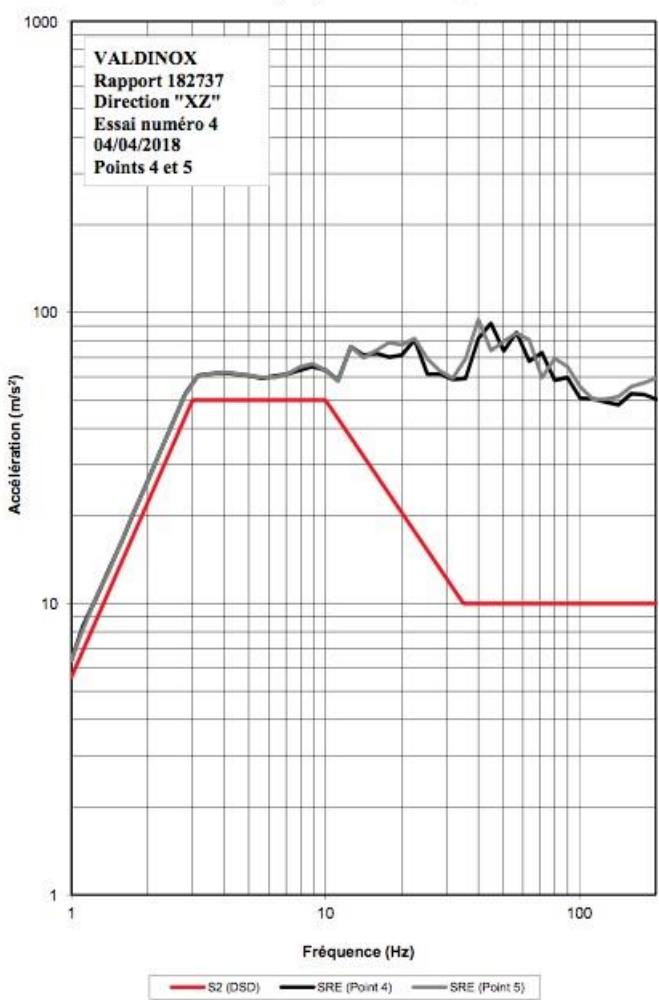
According to the standards EN 60068-2-6 and EN 60068-3-3, simulating an earthquake S2 defined in IEC 60980.

A soil acceleration of 0.5 g (5 m/s<sup>2</sup>) is approximately equivalent to an earthquake of magnitude greater than 7, as indicated in table 3 of EN 60068-3-3 art. 8.2.4.

Video: <https://youtu.be/KNdKoTEXgfl>

**Test Results: The test object passed successfully all the tests performed.**





Verified and Approved by:

Mrs Carmen Valdés, Managing Director  
VALDINOX S.L.

Santander, 23<sup>rd</sup> May 2018