

UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] Cell Battery Product
 Tested Type Part #: S4P1/TLM-1550
 Same Type Part #:

[b] **Manufacturer**
 Tadiran Batteries GmbH
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 Germany
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[d] Unique report ID: F59VA34R002

[e] Report date: 2014.02.01

[c] **Test Laboratory**
 Fey Elektronik GmbH
 Storchenweg 3
 21217 Seevetal
 Germany
 T. +49 40 703 88 88 0

Same Type Part Numbers # (all): All configurations with harness and cable of this battery with part number 15 4 3x55 xxx.

[f] (i) Li-ion Li-metal.

(iv) **Description:** Primary (non-rechargeable) 16 V Lithium battery, assembled from 4 (four) "AA" sized TLM-1550 cells. The S4P1/TLM-1550 battery may come with optional suffixes consisting of a "/" followed by one or more letters and a digit. These suffixes indicate different types of finishing to the battery e.g. harness. Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.

(ii) Mass: 85 g

(iii) Watt hour rating or Lithium content: 0.72 g

(v) Cell Battery Product. Model number/Part number: S4P1/TLM-1550

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	Summary page 2
38.3.4.2 T.2: Thermal test	Pass	Summary page 2
38.3.4.3 T.3: Vibration	Pass	Summary page 2
38.3.4.4 T.4: Shock	Pass	Summary page 2
38.3.4.5 T.5: External short circuit	Pass	Summary page 2
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	Summary page 2
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	Summary page 2
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	Summary page 2

[h] Battery assembly: Not Applicable. UN38.3.3 (f) UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *Fifth revised edition*

[j] Signatory A. Date: 2018.02.12
 Name: Marc Henn
 Title: Application Engineering Manager
 Signature.




[j] Signatory B. Date: 2018.02.12
 Name: Olaf G. Lichtlein
 Title: General Manager
 Signature.



Important! The above signatory / signatories affirm that this document is a true and correct summary of the original individual tests and test data. The original test data is confidential information available to competent State Authorities with valid identification and only upon their formal request. Disclosure of the original test data to any other entity upon its request will be considered by Tadiran and, should Tadiran consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.