

# 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 #:** S2P1/TLM-1550  
 **Same Type Part #:** TLM-1530HPM/1B/NC1

[b] **Manufacturer**  
 Tadiran Batteries GmbH  
 Industriestrasse 22  
 63654 Buedingen  
 Germany  
 T. +49 6042 954 0  
[info@tadiranbatteries.de](mailto:info@tadiranbatteries.de)  
[www.tadiranbatteries.de](http://www.tadiranbatteries.de)

[d] Unique report ID: UN.PB.TLM-1530HPM\_1B\_NC1

[e] Report date: 2021.07.26

[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 2 3x53xxx.

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

(iv) **Description:** Primary (non-rechargeable) 8 V Lithium battery, assembled from 2 (two) "2/3 AA" sized TLM-1530 cells. The S2P1/TLM-1530 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: 24 g

(iii)  Watt hour rating or  Lithium content: 0.16 g

(v)  Cell  Battery  Product. Model number/Part number: S2P1/TLM-1530

| [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)      | N.A.                        | 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)  | N.A.                        | 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. *seventh revised edition*

[j] Signatory A. Date: 2021.08.03  
 Name: Marc Henn  
 Title: Application Engineering Manager  
 Signature.




[j] Signatory B. Date: 2021.08.03  
 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.