

# 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 #:** TLH-2450  
 **Same Type Part #:**

[b] **Manufacturer**  
 Tadiran Batteries Ltd.  
 P.O. Box 1  
 Kiryat Ekron  
 Israel 70500  
 T. +972 8 9 44 560  
[sales@tadiran-batt.com](mailto:sales@tadiran-batt.com)  
[www.tadiran.com](http://www.tadiran.com)

[d] Unique report ID: 15Q-658

[e] Report date: 2004.07.01

[c] **Test Laboratory**  
 Tadiran Batteries Ltd.  
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[sales@tadiran-batt.com](mailto:sales@tadiran-batt.com)  
[www.tadiran.com](http://www.tadiran.com)

**Same Type Part Numbers # (all):** Pins (with insulation disc): 11 1 15763 02, Pins (without insulation disc): 11 1 15761 22, all other configurations with harness and cable of this cell with part number: 11 1 1576x xx

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

(iv) **Description:** Primary (non-rechargeable) 3.7 V Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>) battery, assembled from 1 (one) "1/10 C" sized TLH-2450 cell. The TLH-2450 cell 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 cell (for example, S-Standard, T-Tab, P-Pin, etc.).  
 Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.

(ii) Mass: 8.8 g

(iii)  Watt hour rating or  Lithium content: 0.18 g

(v)  Cell  Battery  Product. Model number/Part number: TLH-2450

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	Page 5
38.3.4.2 T.2: Thermal test	Pass	Page 6
38.3.4.3 T.3: Vibration	Pass	Page 7
38.3.4.4 T.4: Shock	Pass	Page 8
38.3.4.5 T.5: External short circuit	Pass	Page 9
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	Page 10
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	N.A.
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	Page 11

[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.