UN 38.3 Test Summary Report

[Tapidran Batteries]

Lithium Cell or Battery Test Summary in Accordance with Section 2.3.4 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 #: TLP-91811/A
☐ Same Type Part #: 

[b] Manufacturer
Tadiran Batteries Ltd.
44 Yitzhak Rabin Blvd,
Kiryat Ekron,
Israel 7695001
T. +972 8 9 44 503
sales@tadiran-batt.com
www.tadiran.com

[c] Test Laboratory
Tadiran Batteries Ltd.
44 Yitzhak Rabin Blvd,
Kiryat Ekron,
Israel 7695001
T. +972 8 9 44 560
aya-d@tadiran-batt.com
www.tadiran.com

☒ Same Type Part Numbers # (all): covers all the TLP-91811/A/xxxx part numbers with harness/cables.

[d] Unique report ID: 15Q-862
[e] Report date: March 2010

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** Primary (non-rechargeable) 3.7 V Lithium Thionyl Chloride (Li-SOCl2) hybrid battery, assembled from 1 (one) “AA” sized cell and 1 (one) HLC-1020 in parallel connection. The battery is designed to preclude violent rupture under normal conditions incident to transport. The TLP-91811/A 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: 35 g
(iii) ☒ Watt hour rating or ☒ Lithium content: 0.07Wh and 0.66 g

(v) ☐ Cell ☒ Battery ☐ Product. Model number/Part number: TLP-91811/A

[g] List of Tests Conducted

<table>
<thead>
<tr>
<th>Test record reference</th>
<th>Result (Pass / Fail / N.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.3.4.1 T.1: Altitude simulation</td>
<td>Pass 15Q-862</td>
</tr>
<tr>
<td>38.3.4.2 T.2: Thermal test</td>
<td>Pass 15Q-862</td>
</tr>
<tr>
<td>38.3.4.3 T.3: Vibration</td>
<td>Pass 15Q-862</td>
</tr>
<tr>
<td>38.3.4.4 T.4: Shock</td>
<td>Pass 15Q-862</td>
</tr>
<tr>
<td>38.3.4.5 T.5: External short circuit</td>
<td>Pass 15Q-862</td>
</tr>
<tr>
<td>38.3.4.6 T.6: Impact/ Crush (cell only test)</td>
<td>Pass 15Q-606, 15Q-848</td>
</tr>
<tr>
<td>38.3.4.7 T.7: Overcharge (N.A for Li-metal only)</td>
<td>N.A 15Q-606, 15Q-848</td>
</tr>
<tr>
<td>38.3.4.8 T.8: Forced discharge (cell only test)</td>
<td>Pass 15Q-606, 15Q-848</td>
</tr>
</tbody>
</table>

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


[j] Signatory A. Date: 2019.09.02
Name: Aya Daniel
Title: Quality Manager
Signature.

[k] Signatory B. Date: 2019.09.02
Name: Kobi Pinsky
Title: VP Marketing and Sales
Signature.

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**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.