**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 #: TLP-83221/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

- **[d]** Unique report ID: 15Q-1000

- **[e]** Report date: April 2017

- **[f]** (i) ☐ Li-ion ☒ Li-metal.

  (iv) **Description:** Primary (non-rechargeable) 3.9 V Lithium Sulfuryl Chloride (Li/So2Cl2) hybrid battery, assembled from 2 (two) “D” size cell and 1 (one) HLC-1530 in parallel connection. The battery is designed to preclude violent rupture under normal conditions incident to transport. The TLP-83221/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.

  (ii) Mass: 220 g

  (iii) ☒ Watt hour rating or ☐ Lithium content: 0.43 Wh and 10 g

  (v) ☐ Cell ☒ Battery ☐ Product. Model number/Part number: TLP-83221/A

<table>
<thead>
<tr>
<th>[g] List of Tests Conducted</th>
<th>Result (Pass / Fail / N.A.)</th>
<th>Test record reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.3.4.1 T.1: Altitude simulation</td>
<td>Pass</td>
<td>15Q-1000</td>
</tr>
<tr>
<td>38.3.4.2 T.2: Thermal test</td>
<td>Pass</td>
<td>15Q-1000</td>
</tr>
<tr>
<td>38.3.4.3 T.3: Vibration</td>
<td>Pass</td>
<td>15Q-1000</td>
</tr>
<tr>
<td>38.3.4.4 T.4: Shock</td>
<td>Pass</td>
<td>15Q-1000</td>
</tr>
<tr>
<td>38.3.4.5 T.5: External short circuit</td>
<td>Pass</td>
<td>15Q-1000</td>
</tr>
<tr>
<td>38.3.4.6 T.6: Impact/Crush (cell only test)</td>
<td>Pass</td>
<td>15Q-619, 654</td>
</tr>
<tr>
<td>38.3.4.7 T.7: Overcharge (N.A for Li-metal only)</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td>38.3.4.8 T.8: Forced discharge (cell only test)</td>
<td>Pass</td>
<td>15Q-619, 654</td>
</tr>
</tbody>
</table>

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


- **[j]** Signatory A. Date: 2019.07.29
  Name: Aya Daniel
  Title: Quality Manager
  Signature.

- **[j]** Signatory B. Date: 2019.07.29
  Name: Kobi Pinsky
  Title: VP Marketing and Sales
  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.