TADIRAN BATTERIES LTD

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 #:** TLM-1020
☐ **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

[d] Unique report ID: 15Q-929

[e] Report date: April 2013

[c] **Test Laboratory**
Tadiran Batteries Ltd.
44 Yitzhak Rabin Blvd,
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aya-d@tadiran-batt.com
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☒ **Same Type Part Numbers # (all):** covers all the **TLM-1020/xxx, TLM-1020/1A/xxx** part numbers with various contact terminations / harness.

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** TLM-1020 is a primary lithium metal battery with OCV of up to 4.1V consists of a single cell. The TLM-1020 may come with an additional optional letter and suffixes consist of a "/" followed by one or two letters and digits which indicate different finishing such as /T, /TP, /PT2, etc or 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: 8 g
(iii) ☐ Watt hour rating or ☒ Lithium content: 0.02 g
(v) ☒ Cell ☐ Battery ☐ Product. Model number/Part number: TLM-1020

[g] **List of Tests Conducted**	**Result (Pass / Fail / N.A.)**	**Test record reference**
38.3.4.1 T.1: Altitude simulation	Pass	15Q-929
38.3.4.2 T.2: Thermal test	Pass	15Q-929
38.3.4.3 T.3: Vibration	Pass	15Q-929
38.3.4.4 T.4: Shock	Pass	15Q-929
38.3.4.5 T.5: External short circuit	Pass	15Q-929
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	15Q-929
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	15Q-929
[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. *Sixth revised edition*		

[j] Signatory A. Date: 2020.01.27
Name: Aya Daniel
Title: Quality Manager
Signature.

A. Daniel

[j] Signatory B. Date: 2020.01.27
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.*