

Test Report

Applicant's name : Spire Outdoor Group

Address : 802 9th St N Golden, BC Canada V0A 1H2

Manufacture's Name : Shenzhen Eigday Heating Limited

Address : Room 1603-1606, Tower A, Building 1, Zhongsheng Harbor Expo Bay, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen

Product description

Trade mark : MOUNTAINLAB

Product Name: : Remote Control Heated Socks

Model and/or type reference : ML-HS- RC2

Serial Model : N/A

Rating(s) : Input:DC 5V, 2A, 10WH
Output:DC 5V, 0.8A, 4WH
Battery:DC 3.7V, 5000MAH, 18.5WH

Standards : ISED RSS-102 Issue 6 (December 2023)

IC : 25245-HSRC2

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Date of Test

Date (s) of performance of tests : 2026-09-01 ~ 2026-09-17

Date of Issue : 2026-09-17

Test Result : **Pass**

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2026-09-17	Valid	Initial Release



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1. TEST SUMMARY

No.	Test Item	Basic Standard	Requirement	Result
1	Radiofrequency radiation exposure evaluation: portable device	Radiofrequency radiation exposure evaluation	RSS- 102 Issue 6	PASS

2. TEST FACILITY

Shenzhen VOP Testing Technology Co., Ltd.

Add:103, Building 5, Wanyan Industrial Park Qiaotou Community, Fuhai Street, Baoan District Shenzhen, Guangdong People's Republic of China

IC :Company Number : 34919

CAB identifier:CN0196

2.1. Deviation from Standard

None

2.2. Abnormalities from Standard Conditions

None

3. GENERAL INFORMATION

3.1. General Description of EUT

Manufacturer:	Shenzhen Eigday Heating Limited
Manufacturer Address:	Room 1603-1606,Tower A, Building 1, Zhongsheng Harbor Expo Bay, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen
EUT Name:	Remote Control Heated Socks
Model No:	ML-HS- RC2
Serial Model:	N/A
Brand Name:	MOUNTAINLAB
Difference Description:	N/A



4. TEST RESULTS

4.1. Radiofrequency radiation exposure evaluation: portable device

Test Requirement:	ISED RSS-102 Issue 6 (December 2023), Section 6.3 (SAR exemption limits) / Section 7.4 (SAR evaluation)
Test Limit:	
Test Limit:	Devices operating at or below the applicable output power level (adjusted for tune-up tolerance), based on the separation distance, are exempt from routine SAR evaluation per RSS-102 Issue 6 Section 6.3. Output power is the larger of the maximum conducted power or EIRP, source-based and time-averaged. Table 11 exemption limits at 433.92 MHz (linear interpolation between the 300 MHz and 450 MHz rows): 1 g tissue (head/neck/trunk): ≤ 5 mm = 33.4 mW; 10 mm = 75.8 mW; 20 mm = 110.3 mW; 10 g tissue (limb-worn / hand-held, factor $\times 2.5$): ≤ 5 mm = 83.5 mW; 10 mm = 189.6 mW; 20 mm = 275.8 mW. The $\times 2.5$ factor applies where the 10 g tissue applies (e.g., limb-worn or hand-held operation); for any surface that may contact the head/neck/trunk, the 1 g limits apply. If the exemption limit is not met, SAR evaluation shall be performed in accordance with RSS-102.SAR.MEAS (measurement) or RSS-102.SAR.SIM (simulation).

4.1.1. Conclusion:

F (MHz)	Antenna Distance (mm)	Field Strength (dBuV/m)@3m	EIRP mW	Limit mW
433.92	5	78.80	0.0229	33.4 (1 g) / 83.5 (10 g)

$EIRP (dBm) = E(dBuV/m) - 95.2$

For $E = 78.80 \text{ dB } \mu V/m$ @ 433.92 MHz, 3 m distance:

$EIRP = 78.80 - 95.2 = -16.40 \text{ dBm} = 0.0229 \text{ mW}$

Per RSS-102 Section 6.3, output power is the larger of the maximum conducted power or EIRP (source-based, time-averaged, including tune-up tolerance). As the conducted power was not measured, the EIRP of 0.0229 mW is used for comparison with the Table 11 exemption limit.

$EIRP 0.0229 \text{ mW} < 33.4 \text{ mW (1 g) / } 83.5 \text{ mW (10 g, hand-held / limb-worn } \times 2.5) \text{ at 5 mm antenna distance.}$

Therefore, the EUT is exempt from routine SAR evaluation. PASS.

****End of the report****