

RF Exposure Technical Brief for ISED RSS-102 (issue 6) section 6



The RvA is signatory to ILAC - MRA



Product name : UI-Joystick stairlift
Applicant : Inspiro B.V.
FCC ID : ZAH-1131445
IC ID : 27285-1131445

Test report No. : P000502007 003 V3.0

Laboratory information

Accreditation

Kiwa Nederland B.V. complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2017. The accreditation covers the quality system of the laboratory as well as the specific activities as described in the authorized annex bearing the accreditation number L015 and is granted by the Dutch Council For Accreditation (RvA: Raad voor Accreditatie).

Kiwa Nederland B.V. is designated by the FCC as an Accredited Test Firm for compliance testing of equipment subject to Certification under Parts 15 & 18. The Designation number is: NL0001.

Kiwa Nederland B.V. is a Wireless Device Testing laboratory recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.
The Industry Canada company number for Kiwa Nederland B.V. is: 4173A. The CABID is NL0001.

Kiwa Nederland B.V. is a registered Conformity Assessment body (CAB) under the Japan-EC MRA (Agreement on Mutual Recognition between Japan and the European Community). The registration number is: 201.

Documentation

The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 10 years at Kiwa Nederland B.V.

Testing Location

Test Site	Kiwa Nederland B.V.
Test Site location	Wilmersdorf 50 7327 AC Apeldoorn The Netherlands Tel. +31 88998 3393
Test Site FCC	NL0001
CABID	NL0001

Revision History

Version	Date	Remarks	By
v0.5	16-07-2025	First draft	TK
v1.0	18-07-2025	Final release	TK
v2.0	24-07-2025	Adjusted reference report	TK
v3.0	03-06-2026	Changed seperation distance to 2.5cm	TK

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1.2 Applicant

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1.3 Manufacturer

Manufacturer name:	TK Home Solutions B.V
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Contact name:	Paul Kasbergen

1.4 Tested Equipment Under Test (EUT)

Product name:	UI-Joystick stairlift
Brand name:	TK Homesolutions
FCC ID:	ZAH-1131445
IC:	27285-1131445
Product description:	Remote system for calling and sending a chair lift
Variant model(s):	1131445
Batch and/or serial No.	0001
Software version:	RF_Target_Joystick_SW_v10.0.4.hex
Hardware version:	D
Date of receipt:	25-06-2025
Tests started:	03-06-2025
Testing ended:	08-07-2025

1.5 Conclusions

The sample of the product showed **NO NON-COMPLIANCES** to the RF exposure requirement.

The results of the test as stated in this report, are exclusively applicable to the product items as identified in this report. Kiwa Nederland accepts no responsibility for any properties of product items in this test report, which are not supported by RSS-102, issue 6.

Assessment is performed by:

Name : Ing. T. Keltjens

Review of test methods and report by:

Name : ing. Maaz. H. Khan

The above conclusions have been verified by the following signatory:

Date : 05-06-2026

Name : P. van Wanrooij

Function : Test Engineer

Signature :



1.6 Calculation of the exemption limit for routine RF exposure evaluation

Introduction

The EUT contains transmitter proprietary 920MHz radio.

SAR evaluation

According to RSS-102 – Issue 6 December 15, 2023, clause 6.3 Exemption Limits for Routine Evaluation — SAR Evaluation, SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1. (Table 11 in RSS-102)

Table 1: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance (uncontrolled exposure)

Freq. (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

1.7 Conclusion

The maximum radiated power including tune-up tolerance and time-averaged over a 6 minute period is shown as below.

Mode	Max power level	Max power level	Calculated exemption limit
902.2	10.16 dBm ¹	10.38 mW	71.05 mW
914.9	9.07 dBm ¹	8.07 mW	70.87 mW
927.6	8.16 dBm ¹	6.55 mW	70.69 mW

Notes

- 1) From Kiwa Nederland B.V. report no. P000502007 001 V2.0

<<END OF REPORT>>