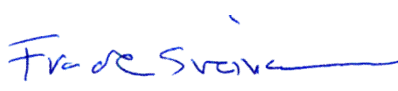


RF Exposure Assessment

Product	Electronic touchless soap dispenser with BLE and NFC		
Name and address of the applicant	Essity Hygiene and Health AB Mölnads Bro 9, Mölndal SE 405 03 Gothenburg, Sweden		
Name and address of the manufacturer	Essity Hygiene and Health AB Mölnads Bro 9, Mölndal SE 405 03 Gothenburg, Sweden		
Model	652929		
Rating	6.0 V DC (Primary batteries, 4x C-size cells)		
Trademark	 Think ahead.		
Additional information	BLE, NFC		
Evaluated according to	FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance		
Order number	PRJ0070407		
Issue date	2025-03-27		
Name and address of the testing laboratory	 Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com CAB Number: FCC: NO0001		
	 Prepared by [Frode Sveinsen]		
This report was originally distributed electronically with digital signatures. For more information, please contact Nemko Scandinavia AS.			

Revision history

Revision	Date	Comment	Sign
A	2025-03-27	First Edition	FS

GENERAL REMARKS

This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is solely responsible for any modifications to the product that could result in non-compliance with the relevant regulations.

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Opinions expressed within this report regarding general assessments and qualifications for PASS or FAIL to the standards limits and requirements, are not part of the current accreditation. Neither are opinions expressed regarding model variants covered by the testing of this report.

1 Exposure Evaluation

1.1 EUT Technical Information

Product	Electronic touchless Soap Dispenser
Manufacturer	Essity Hygiene and Health AB
Model	652929
FCC ID	2ABK3-652929
Hardware identity and/or version	AP07
Software identity and/or version	/
Frequency Range	2402 – 2480 MHz 13.56 MHz
Type of Power Supply	Primary Batteries (6.0 V DC)
Type of Device	Fixed Device
Output Power incl. Tune-Up Tolerance	2.51 mW (BLE) 0.000060 mW (NFC)
Reference to RF Test Report	REP070779

1.2 Evaluation Summary

The EUT has been evaluated and found to be exempt from SAR Evaluation according to the Exemption Criteria in KDB 447498 D01 General RF Exposure Guidance v06, Clause 4.3 a):

For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,³⁰ where

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz

Determination of Exemption for Single RF Sources		
Conducted Power including Tune Up Tolerance	2.51	mW
Separation Distance	5	mm
Frequency (valid for 100 MHz to 6 GHz)	2.4	GHz
Exclusion Criteria: $(2.51 \text{ mW} / 5 \text{ mm}) \cdot \text{SQRT}(2.4 \text{ GHz})$	0.78	
Exclusion Threshold (1-g SAR: 3.0, 10-g Extremities SAR: 7.5)	7.5	10-g
Exclusion Threshold for Fixed Device (10-g Extremities SAR) @2.4 GHz and 5 mm	24.2	mW
CONCLUSION	EXEMPTED	

The EUT is excepted from SAR evaluation due to low output power.

The exclusion criteria are fulfilled for both 1-g SAR and 10-g SAR.