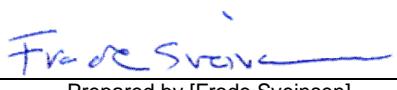




REP038943B

RF Exposure Assessment

Product	DECT Base Station
Name and address of the applicant	Savox Communications Oy Ab Keilaranta 15 B 02150 Espoo, Finland
Name and address of the manufacturer	Savox Communications Oy Ab Keilaranta 15 B 02150 Espoo, Finland
Model	Savox IMP WIM
Rating	5.0V DC
Trademark	Savox
Additional information	DECT 6.0
Evaluated according to	FCC Part 1.1310(e) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance
Order number	PRJ0057593
Issue date	2025-03-31
Name and address of the testing laboratory	 <p>Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com</p> <p>CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1</p> <p>An accredited technical test executed under the Norwegian accreditation scheme</p>
 <p>Prepared by [Frode Sveinsen]</p>	
<p>This report was originally distributed electronically with digital signatures. For more information, please contact Nemko Scandinavia AS.</p>	

Template version: B

Revision history

Revision	Date	Comment	Sign
A	2024-10-30	First Edition	FS
B	2025-03-31	Corrected Antenna Gain value	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	DECT Base Station
Manufacturer	Savox Communications Oy Ab
Model	Savox IMP WIM
FCC ID	TUFWIM
Hardware identity and/or version	6.4
Software identity and/or version	D20240514
Frequency Range	1921.536 – 1928.448 MHz
Operating Modes	DECT 6.0
Number of Antennas	2
Antennas	External Antennas
Antenna Diversity	Yes
Smart Antennas Supported	No
Type of Power Supply	USB or External DC Supply
Device Category	Mobile or Fixed
Reference to RF Test Report	Nemko REP038942B

1.2 Evaluation Summary

Maximum whole body power density is calculated using formula 3) from OET Bulletin 65 Edition 97-01 (page 19):

$$S = \frac{PG}{4\pi R^2}$$

Where:
 S = power density
 P = power input to the antenna
 G = power gain of the antenna in the direction of interest relative to an isotropic radiator
 R = distance to the center of radiation of the antenna

Determination of Exemption for Single RF Sources			
Conducted Power including Tune Up Tolerance	19.3	dBm	
Antenna Gain	2.9	dBi	
Separation Distance	20	cm	
Frequency Range Evaluated	1921.536	MHz	
Duty Cycle	100	%	
Calculated Power Density	0.330	W/m ²	
Power density Limit ref. FCC §1.1310(e), Table 1	10	W/m ²	
Margin on Compliance	14.8	dB	
CONCLUSION	EXEMPTED		

Output Power values are from Nemko test report REP038942B, with added Tune-Up tolerance.

Antenna Gain is maximum allowed antenna gain without reducing output power, value is used only to show compliance with the exposure requirements.

References

- 1) OET Bulletin 65 Edition 97-01, August 1997
- 2) KDB 447498 D01 General RF Exposure Guidance v06, October 23, 2015
- 3) Code of Federal Regulations, Title 47, FCC §1.1310
- 4) Code of Federal Regulations, Title 47, FCC Part 15, Subpart D