






## RF Exposure Assessment

<b>Product</b>	DECT Wireless Microphone		
<b>Name and address of the applicant</b>	Panasonic Corporation of North America Two Riverfront Plaza, 9 <sup>th</sup> Floor Newark, 07102-5490, NJ, USA		
<b>Name and address of the manufacturer</b>	Panasonic Connect Co., Ltd. 4-1-62 Minoshima, Hakata-ku Fukuoka 812-8531, JAPAN		
<b>Model</b>	K-SHH24		
<b>Rating</b>	3.7 V <sub>DC</sub>		
<b>Trademark</b>	Audio Enhancement		
<b>Additional information</b>	<b>DECT 6.0</b>		
<b>Evaluated according to</b>	<b>FCC Part 1.1307(b)</b> RF Exposure Assessment <b>FCC KDB 447498 D01 v06</b> General RF Exposure Guidance		
<b>Order number</b>	<b>PRJ0039924</b>		
<b>Issue date</b>	<b>2023-10-23</b>		
<b>Name and address of the testing laboratory</b>	  Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com	CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1	  NORWEGIAN ACCREDITATION TEST 033
<b>An accredited technical test executed under the Norwegian accreditation scheme</b>			
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## Revision history

Revision	Date	Comment	Sign
A	2023-10-23	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

Name	Audio Enhancement
FCC ID	K-SHH24
Model/version	ACJ9TAK-SHH24
Hardware identity and/or version	PULB1097ZA-GL
Software identity and/or version	Ver1.00R00
Frequency Range	1921.536 – 1928.448 MHz
Type of Power Supply	Secondary Battery (3.7V Li-Ion Battery)
Type of Portable Device	Hand-Held Microphone
Output Power incl. Tune-Up Tolerance	6.31 mW (8.0 dBm)
Reference to RF Test Report	Nemko REP017823

## 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*  $\leq 50$  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  $\leq 7.5$  for 10-g extremity SAR,<sup>30</sup> 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	6.31	mW
Separation Distance	5	mm
Frequency (valid for 100 MHz to 6 GHz)	1.93	GHz
Exclusion Criteria: (6.31 mW / 5 mm) * SQRT(1.93 GHz)	1.75	
Exclusion Threshold (1-g SAR: 3.0, 10-g Extremities SAR: 7.0)	7.5	10-g
Exclusion Threshold for Hand-Held Device @1.93 GHz and 5 mm	27.0	mW
<b>CONCLUSION</b>	<b>EXEMPTED</b>	