

RF Exposure Assessment

Product	DECT Wireless Microphone
Name and address of the applicant	Panasonic Corporation of North America Two Riverfront Plaza, 9 th Floor Newark, 07102-5490, NJ, USA
Name and address of the manufacturer	Panasonic Connect Co., Ltd. 4-1-62 Minoshima, Hakata-ku Fukuoka 812-8531, JAPAN
Model	K-SHH24
Rating	3.7 V _{DC}
Trademark	Audio Enhancement
Additional information	DECT 6.0
Evaluated according to	FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance
Order number	PRJ0039924
Issue date	2023-10-23
Name and address of the testing laboratory	 Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1   An accredited technical test executed under the Norwegian accreditation scheme
 Prepared by [Frode Sveinsen]  Approved by [Roy Uggerud]	
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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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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* ≤ 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f_{\text{(GHz)}}} \leq 3.0$$
 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	6.31	mW
Separation Distance	5	mm
Frequency (valid for 100 MHz to 6 GHz)	1.93	GHz
Exclusion Criteria: $(6.31 \text{ mW} / 5 \text{ mm}) * \text{SQRT}(1.93 \text{ GHz})$	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
CONCLUSION	EXEMPTED	