

Test Report No.: 24041004-SE-US-01

RF Exposure Report

FCC ID: PAZAUDIOBBM-PU

Applicant: Kan Tsang New Technology Development Limited

Address: Unit 1, 11/F., Nan Fung Commercial Centre, No. 19 Lam Lok Street,
Kowloon Bay, Hong Kong

Manufacturer: Dong Guan Kan Tsang Electroacoustic Technology Co., Ltd.

Address: Room 402, Unit 1, No.8, Lu Yi 1st Road, Tang Xia Town, Dongguan,
Guangdong, China

Product: Audio Baby Monitor

Brand(s): N/A

Test Model(s): KT-288D(PU)

Series Model(s): See Section 2.1

Test Date: Apr. 26, 2024~ May. 08, 2024

Issued Date: Aug. 05, 2024

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

Address: No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park,
HuangJiang Town, Dongguan City, People's Republic of China

Test Firm Registration No.: 915896

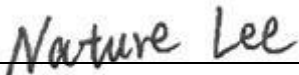
Designation No.: CN1255

Standards: FCC Part 2 (Section 2.1091)
KDB 447498 D01

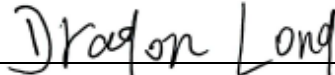
IEEE C95.1

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :


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Reviewed by :


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Approved by :


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Lab: [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#)Address: [No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang Town, Dongguan City, People's Republic of China](#)Tel: [0769-83078199](#)Web.: [www.hwa-hsing.com](#)E-Mail: [customerservice.dg@hwa-hsing.com](#)Release
Ver. 1.5

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Release control record

Issue No.	Reason for change	Date issued
24041004-SE-US-01	Original Release	Aug. 05, 2024

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1 General Information

1.1 General Description of EUT

Product	Audio Baby Monitor
Sample No.	HS2404240002
Test Model(s)	KT-288D(PU)
Series Model(s)	KT-268L(PU), KT-269L(PU), KT- 268D(PU), KT-269D(PU), KT-288L(PU), KT-268A(PU), KT- 268N((PU), KT-269N(PU), KT-269A(PU), KT-288N(PU), DC-ABM001, DC-ABM201, DC-ABM002
Status of EUT	Engineering Prototype
Power Supply Rating	DC 5V from Adapter
Modulation Type	GFSK
Transfer Rate	1/2Mbps
Operating Frequency	2402 ~ 2480MHz
Number of Channel	79
Maximum Output Power	3.75dBm (Average)
Antenna Type	Monopole Antenna
Antenna Gain	2.37dBi
Antenna Connector	I-PEX
Accessory Device	Adapter
Data Cable Supplied	USB Cable: Unshielded, 150cm

Note:

1. Please refer to the EUT photo document (Reference No.: 24041004-01-01&02) for detailed product photo.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Model difference:

All models are identical, the difference between them are:

- Button position and quantity on the PCB layout are different for each model; (Details refer to photos)
- With or without charging base for them;
- With or without mesh cloth for them;
- With or without display panel for them;

Details refer to below table:

Model name	With mesh cloth	Without mesh cloth	With charging base	Without charging base	With display panel	Without display panel
KT-288D(PU)	☒	☐	☒	☐	☒	☐
KT-268L(PU), DC-ABM001, DC-ABM201, DC-ABM002	☐	☒	☐	☒	☒	☐
KT-269L(PU)	☒	☐	☐	☒	☐	☒
KT-268D(PU)	☐	☒	☒	☐	☒	☐
KT-269D(PU)	☒	☐	☒	☐	☒	☐

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Release

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KT-288L(PU)	☒	☐	☐	☒	☒	☐
KT-268A(PU)	☐	☒	☐	☒	☐	☒
KT-268N(PU)	☐	☒	☐	☒	☐	☒
KT-269N(PU)	☒	☐	☐	☒	☐	☒
KT-269A(PU)	☒	☐	☐	☒	☐	☒
KT-288N(PU)	☒	☐	☐	☒	☐	☒

- If no other specified, the model KT-288D(PU) was selected to conduct all tests in this report.

4. The EUT can be powered by adapter as list as the following (only different for Manufacturer and model name):

	Adapter 1	Adapter 2
Manufacturer:	Shenzhen YWK Electronics Co., Ltd.	SHENZHEN YOUNGMINXING TECHNOLOGY CO., LTD
Model:	YWK-AD050100	YC-R02051000
Input:	AC 100-240V 50/60Hz 0.3A	AC 100-240V 50/60Hz 0.2A
Output:	DC 5V 1.0A 5.0W	DC 5V 1.0A 5.0W

2 RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30
Note: F = Frequency in MHz				

2.1 MPE calculation formula

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

*Where:*Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Classification:

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

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3 Calculation result of maximum conducted power

The antennas provided to the EUT, please refer to the following table:

Function	Frequency (MHz)	Antenna Gain (dBi)	Antenna Type	Transmit and Receive Chain	Maximum AVG Power
2.4G	2402-2480	2.37	Monopole	1TX,1RX	3.75dBm

Frequency (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
2402-2480	2.371	2.37	20	0.00814	1.0

Conclusion:

Therefore, the worst-case situation is 0.00814 mW/cm², which is less than "1". This confirmed that the device compliance with FCC 1.1310 MPE limit.

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Appendix – Information on the Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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