TEST REPORT

Product Name : 610（EL）balance car
Model Number : KD 3660PA /HOVER4040HB-V1
FCC ID : 2A7JP0002

Prepared for	:	Zhejiang Chic Robot Technology Co.，Ltd.
Address	:	3rd Floor, #1 Plant, 468 Xinji Road, Qiu Bin Neighborhood, Wucheng District, Jinhua City, Zhejiang Province, People's Republic of China
Prepared by	:	EMTEK (DONGGUAN) CO., LTD.
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Report Number	:	EDG2207190089E00402R
Date(s) of Tests	:	July 19, 2022 to August 11, 2022
Date of issue	:	August 11, 2022

Table of Contents

1. TEST RESULT CERTIFICATION

Applicant	:	Zhejiang Chic Robot Technology Co. , Ltd.
Address	:	3rd Floor, #1 Plant, 468 Xinji Road, Qiu Bin Neighborhood, Wucheng District, Jinhua City, Zhejiang Province, People's Republic of China
Manufacturer	:	Zhejiang Chic Robot Technology Co. , Ltd.
Address	:	3rd Floor, #1 Plant, 468 Xinji Road, Qiu Bin Neighborhood, Wucheng District, Jinhua City, Zhejiang Province, People's Republic of China
Factory	:	Zhejiang Chic Robot Technology Co. , Ltd.
Address	:	3rd Floor, #1 Plant, 468 Xinji Road, Qiu Bin Neighborhood, Wucheng District, Jinhua City, Zhejiang Province, People's Republic of China
EUT	:	610 (EL) balance car
Model Name	:	KD 3660PA /HOVER4040HB-V1
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
§ 15.247(i), § 2.1093	**PASS**

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : July 19, 2022 to August 11, 2022

Prepared by : Xia Yang /Editor

Reviewer : Tim Dong/ Supervisor

Approve & Authorized Signer : Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2207190089E00402R	/	Original Report

2. EUT Specification

Characteristics	Description
Product:	610（EL）balance car
Model Number:	KD 3660PA /HOVER4040HB-V1 All products are the same, only the model number and color of appearance are different Here we selected KD 3660PA for all the test
Sample:	1#
Device Type:	Bluetooth V5.0
Data Rate:	1Mbps for GFSK modulation 2Mbps for π/4-DQPSK modulation 3Mbps for 8DPSK modulation
Modulation:	GFSK, π/4-DQPSK, 8DPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	-0.90 dBm(0.000813W)
Antenna Gain:	0 dBi
Power supply:	AC 100-240V~50/60Hz from Adapter, DC 42V from battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement:

RF EXPOSURE EVALUATION

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[24] where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation[25]
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.
One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

Antenna gain:0 dBi

Transmit Frequency(MHz)	Mode	Measured Power (dBm)	Tune upPower (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR
2.402	GFSK	-2.24	-3±1	-2	0.1955764	1
2.441	GFSK	-2.59	-3±1	-2	0.1971578	1
2.480	GFSK	-2.24	-3±1	-2	0.1987265	1
2.402	Π/4-DQPSK	-1.31	-2±1	-1	0.2462161	1
2.441	Π/4-DQPSK	-1.76	-2±1	-1	0.2482069	1
2.480	Π/4-DQPSK	-1.43	-2±1	-1	0.2501819	1
2.402	8DPSK	-0.9	-1±1	0	0.3099677	1
2.441	8DPSK	-1.29	-2±1	-1	0.2482069	1
2.480	8DPSK	-0.97	-1±1	0	0.3149603	1

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required.

*** End of Report ***