TEST REPORT

Product Name : Body Analysis Scale
Model Number : WW930ZF
FCC ID : DJT-WW930ZF

Prepared for	:	Conair LLC.
Address	:	1 Cummings Point Rd Stamford, CT 6902, United States
Prepared by	:	EMTEK (DONGGUAN) CO., LTD.
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Report Number	:	EDG2309220220E00202R
Date(s) of Tests	:	September 22, 2023 to October 09, 2023
Date of issue	:	October 09, 2023

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1. TEST RESULT CERTIFICATION

Applicant	:	Conair LLC.
Address	:	1 Cummings Point Rd Stamford, CT 6902, United States
Manufacturer	:	Shenzhen Healthcare Electronic Technology Co., Ltd
Address	:	Floor 1 to floor 3 of block 46 and floor 1 to 3 of block 48, Changxing Industrial Zone, Changzhen Community, Yutang Street, Guangming District
Factory	:	Shenzhen Healthcare Electronic Technology Co., Ltd
Address	:	Floor 1 to floor 3 of block 46 and floor 1 to 3 of block 48, Changxing Industrial Zone, Changzhen Community, Yutang Street, Guangming District
EUT	:	Body Analysis Scale
Model Name	:	WW930ZF
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 : September 22, 2023 to October 09, 2023

Prepared by : Xia Yang /Editor

Reviewer : Tim Dong/ Supervisor

Approved & Authorized Signer : Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2309220220E00202R	/	Original Report

2. EUT Specification

Characteristics	Description
Product:	Body Analysis Scale
Model Number:	WW930ZF
Sample:	1#
Device Type:	Bluetooth V5.0
Data Rate:	BLE 1Mbps for GFSK modulation
Modulation:	GFSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	40 channels for BLE
Transmit Power Max:	1.18 dBm(0.001312 W)
Antenna Type:	PCB Antenna
Antenna Gain:	-0.68 dBi
Power supply:	DC 4.5V from battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to 447498 D01 V06, 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: -0.68 dBi
When a single module works, the measurement results are as follows:

Mode	Channel Frequency (MHz)	Measured Power (dBm)	E. I.R.P (dBm)	Tune upPower (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR
GFSK	2402	1.18	0.50	1±1	2	0.4912658	3
	2440	-0.43	-1.11	-1±1	0	0.3124100	3
	2480	-0.66	-1.34	-1±1	0	0.3149603	3

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

*** End of Report ***