

TEST REPORT

Product Name : Bluetooth Electronic Scale

Model Number : WW920ZF

FCC ID : DJT-WW920ZF

Prepared for : Conair LLC.
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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 : Bluetooth Electronic Scale

Model Name : WW920ZF

Trademark : N/A


Measurement Procedure Used:


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


The above equipment was tested by EMTEK(SHENZHEN) 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 : June 28, 2023 to July 19, 2023

Prepared by : 
Una Yu /Editor

Reviewer : 
Joe Xia/Supervisor

Approved & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2306280233W00202R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Bluetooth Electronic Scale
Model Number:	WW920ZF
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:	0.40 dBm(0.001096 W)
Antenna Type:	PCB Antenna
Antenna Gain:	-0.63 dBi
Power supply:	DC 3.0V from battery
Evaluation applied:	<input type="checkbox"/> MPE Evaluation <input checked="" type="checkbox"/> 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:

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

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- 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 qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

Antenna gain: -0.63 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	0.40	-0.23	0±1	1	0.3902263	3
	2440	-1.09	-1.72	-2±1	-1	0.2481561	3
	2480	-1.62	-2.25	-2±1	-1	0.2501819	3

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

*** End of Report ***