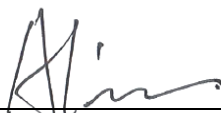


RF EVALUATION TEST REPORT

Applicant..... : Foto Electric Supply Co., INC.
Address..... : 1 Rewe St. Brooklyn, New York 11211 United States
Manufacturer..... : Foto Electric Supply Co., INC.
Address..... : 1 Rewe St. Brooklyn, New York 11211 United States
Factory..... : Foto Electric Supply Co., INC.
Address..... : 1 Rewe St. Brooklyn, New York 11211 United States
Product Name..... : Wireless Charging Speaker With Digital Alarm Clock
Brand Name..... : Chargeworx, COBY
Model No. : KH1017WH, CX5280WH (For model difference refer to section 2.)
FCC ID..... : 2AJVKSP001
Measurement Standard..... : 47 CFR PART 2, Section 2.1093
Receipt Date of Samples..... : July 05, 2025
Date of Tested..... : July 05, 2025 to July 23, 2025
Date of Report..... : August 25, 2025

This report shows that above equipment is technically compliant with the requirements of the standards above. All test results in this report apply only to the tested sample(s). Without prior written approval of Dongguan Nore Testing Center Co., Ltd, this report shall not be reproduced except in full.



Prepared by

Alina Guo / Project Engineer



TESTED
Authorized by

Iori Fan / Authorized Signatory

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Revision History

Report Number	Description	Issued Date
NTC2507075F01	Initial Issue	2025-08-25

1. General Description of EUT

Product Information	
Product Name:	Wireless Charging Speaker With Digital Alarm Clock
Main Model Name:	KH1017WH
Additional Model Name:	CX5280WH
Model difference:	Both of models have the same circuit schematic, structure, PCB Layout and critical components. The differences are model number due to trading purpose.
S/N:	2507-4733
Brand Name:	Chargeworx, COBY
Hardware Version:	Not Stated
Software Version:	Not Stated
Rating:	DC 5V 3A or DC 9V 2A come from adapter DC 3.7V come from internal li-ion battery
Typical Arrangement:	Tabletop
I/O Port:	Refer to the user manual
Accessories Information	
Adapter:	N/A
Cable:	USB line: 0.8m, unshielded, detachable
Other:	N/A
Additional Information	
Note:	According to the model differences and manufacturer's requirements, all tests were performed on model KH1017WH.
Remark:	All the information above are provided by the manufacturer. More detailed feature of the EUT please refers to the user manual.

Technical Specification (BT)	
Bluetooth Version:	V5.3
Frequency Range:	2402-2480MHz
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Number of Channel:	79 (refer to following channel list for details)
Channel Space:	1MHz
Antenna Type:	PCB Antenna
Number of Antenna	1
Antenna Gain:	1.7 dBi (Declared by manufacturer)
Remark:	This report only supports BDR/EDR technology.
Technical Specification (wireless charging)	
Frequency Range:	110.5-205KHz
Modulation Type:	FSK
Antenna Type:	Coil antenna
Output power for coil:	5W, 7.5W, 10W, 15W
Remark:	This report only supports wireless charging technology.

2. Test Facility and Location

Test Site	:	Dongguan Nore Testing Center Co., Ltd. (Dongguan NTC Co., Ltd.)
Accreditations and Authorizations	:	The Laboratory has been assessed and proved to be in compliance with CNAS/CL01 Listed by CNAS, August 13, 2018 The Certificate Registration Number is L5795. The Certificate is valid until August 13, 2030 The Laboratory has been assessed and proved to be in compliance with ISO17025 Listed by A2LA, November 01, 2017 The Certificate Registration Number is 4429.01 The Certificate is valid until December 31, 2025 Listed by FCC, November 06, 2017 Test Firm Registration Number: 907417 Listed by Industry Canada, June 08, 2017 The Certificate Registration Number. Is 46405-9743A The CAB identifier number: CN0015
Test Site Location	:	Building D, Gaosheng Science and Technology Park, Hongtu Road, Nancheng District, Dongguan City, Guangdong Province, China

3. Applicable Standards and References

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

Test Standards:

47 CFR Part 1, 1.1307
47 CFR Part 2, 2.1093
KDB 447498 D04 v01

4. Maximum Permissible Exposure Limit

According to 47 CFR Part 1, 1.1307, for single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if: 47 CFR Part 1, 1.1307

(A) The available maximum time- averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time- averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where,

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

And,

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the minimum separation distance (cm) in any direction from any part of the device antenna(s) or radiating structure(s) to the body of the device user.

For multiple RF sources: Multiple RF sources are exempt if:

(A) The available maximum time- averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

(B) in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Where,

a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(B) of this section for P_{th} , including existing exempt transmitters and those being added.

b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added.

c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.

P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).

$P_{th,i}$ = the exemption threshold power (P_{th}) according to paragraph (b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i .

ERP_j = the ERP of fixed, mobile, or portable RF source j .

$ERP_{th,j}$ = exemption threshold ERP for fixed, mobile, or portable RF source j , at a distance of at least $\lambda/2\pi$ according to the applicable formula of paragraph (b)(3)(i)(C) of this section.

$Evaluated_k$ = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure.

$Exposure\ Limit_k$ = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k, as applicable from §1.1310 of this chapter.

5. RF Exposure Evaluation Results

Single RF Source								
Mode	Frequency (MHz)	Max. Conducted Power (dBm)	Antenna Gain (dBi)	Max. EIRP (dBm)	Max. ERP (dBm)	Max Conducted Power (mW)	Separation Distance (cm)	Part 1.1307 Option (B) P_{th} (mW)
GFSK	2402	-7.568	1.7	-5.868	-8.018	0.18	0.5	2.79
	2441	-8.284	1.7	-6.584	-8.734	0.15	0.5	2.75
	2480	-9.089	1.7	-7.389	-9.539	0.12	0.5	2.72
$\pi/4$ -DQPS K	2402	-5.601	1.7	-3.901	-6.051	0.28	0.5	2.79
	2441	-6.198	1.7	-4.498	-6.648	0.24	0.5	2.75
	2480	-7.122	1.7	-5.422	-7.572	0.19	0.5	2.72
8DPSK	2402	-5.040	1.7	-3.340	-5.49	0.31	0.5	2.79
	2441	-5.786	1.7	-4.086	-6.236	0.26	0.5	2.75
	2480	-6.678	1.7	-4.978	-7.128	0.21	0.5	2.72

When Bluetooth and wireless charging work together:

Ratio BT	Ratio WPT	Ratio Total	Ratio Limits
0.11111	0.14724	0.25835	1

Conclusion:

According to 47 CFR §1.1307 (b)(3)(i)(B), the RF exposure analysis concludes that the product is compliant with the FCC RF exposure requirements in mobile exposure condition.

---End---