

TEST REPORT

Applicant: Balco Brands Pty Ltd
Address: C/ Siemens Building, Ground Floor, 885 Mountain Hwy, Bayswater VIC 3153 Australia
Equipment Type: 5-IN-1 ALARM CLOCK
Model Name: CE260027
Brand Name: BAUHN
FCC ID: 2BNW2-CE260027
Test Standard: 47 CFR Part 1
(refer to section 3.1)
Sample Arrival Date: Jul. 20, 2026
Test Date: Aug. 19, 2026
Date of Issue: Sep. 17, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Song Gui**Checked by:** Xu Rui**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 09, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 17, 2026</u>	<u>Updated the operating frequency of Qi</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Balco Brands Pty Ltd
Address	C/ Siemens Building, Ground Floor, 885 Mountain Hwy, Bayswater VIC 3153 Australia

2.2 Manufacturer Information

Manufacturer	Balco Brands Pty Ltd
Address	C/ Siemens Building, Ground Floor, 885 Mountain Hwy, Bayswater VIC 3153 Australia

2.3 General Description for Equipment under Test (EUT)

EUT Name	5-IN-1 ALARM CLOCK
Model Name Under Test	CE260027
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Note: Not applicable.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE), Qi
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The requirement for the following technical information of the EUT was tested in this report:

Operating Frequency	130 kHz ~205 kHz	
Antenna Type	PCB Antenna	
About Product	Wireless Charging Dock	
Exposure Category	General Population/Uncontrolled Exposure	
Product Type	Mobile	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 1	Practice and Procedure
2	KDB 680106 D01 v04	EQUIPMENT AUTHORIZATION OF WIRELESS POWER TRANSFER DEVICES
3	47 CFR Part 2.1091	Radiofrequency radiation exposure evaluation: mobile devices
4	KDB 447498 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

3.2 Radiofrequency Radiation Exposure Limit

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW / cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f ²	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30
<i>f = frequency in MHz * = Plane-wave equivalent power density</i>				

NOTE:

Limits: According KDB 680106 D01, emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure. In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Measurement Uncertainly

Measurement uncertainly evaluation for electric filed strength and magnetic filed strength test

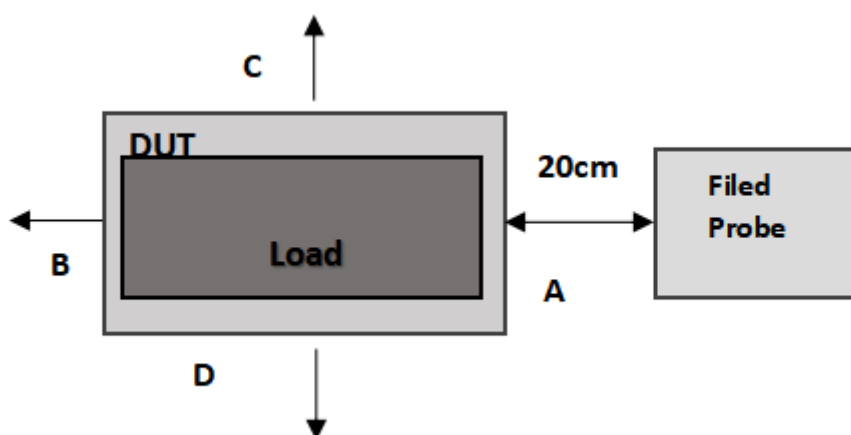
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement	Value
Magnetic Filed Strength	1.18 dB
Electric Filed Strength	1.13 dB

4 DEVICE CATEGORY AND LEVELS LIMITS

4.1 Test Setup Photo

Maximum H-field and E-field measurements were made on each of five sides of the EUT that could come in contact with a user. The five sides are defined as follows: A, B, C, D, E. Refer to the test position diagram below.



4.2 Measurement procedure

1. The RF exposure test was performed in anechoic chamber.
2. The measurement probe was placed at test distance 20 cm for A, B, C, D and E which is between the edge of the charger and the geometric edge of probe.
3. The highest emission level was recorded and compared with limit as soon as measurement of each point was completed.
4. The EUT was measured according to the dictates of KDB 680106 D01v04.

4.3 Mobile Condition

Probe	Condition	Test Distance (cm) A, B, C, D, E
E&H-field	Mobile	20

4.4 Equipment Approval Considerations item 5.2 of KDB 680106 D01 v04.

1. The power transfer frequency is below 1 MHz.
- The device operates at a frequency 130 kHz ~205 kHz
2. The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.
- Output power from primary coil 15 watts.
3. A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)
- Client device is placed directly in contact with the transmitter.
4. Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).
- According safety guide, on the wireless power sharing function this this DUT should be operate with a minimum distance of 20cm between the DUT and human body, so this EUT only support mobile exposure condition.
5. The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit.
- Yes, refer to following test results.
The EUT E-Field Strength levels at 20 cm < 50 % of the MPE E-Field Strength limit 307.0 V/m
4.585 V/m < 307 V/m
The EUT H-Field Strength levels at 20 cm < 50 % of the MPE H-Field Strength limit
0.110 A/m < 0.815 A/m

4.5 Test Equipment

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
PC	Lonovo	E4-ARR	MP1K4PCW	N/A	N/A
Test Software	Narda	WinEP600	N/A	N/A	N/A
E-Field Probe	Narda	EP 602	811ZX30907	2025/08/25	2026/08/24
Human exposure tester	Narda	ELT-400	O-0362	2025/06/26	2027/06/25
H-field Probe	Narda	100cm2	M-1775	2025/06/26	2027/06/25
Anechoic Chamber	Yiheng	9m*6m*6m	N/A	2024/05/12	2027/05/11
RX Load	N/A	N/A	N/A	N/A	N/A

5 TEST RESULT

5.1 H-field

Distance (cm)	EUT Edges					Limit (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	
20	0.070	0.040	0.080	0.110	0.090	1.63

5.2 E-field

Distance (cm)	EUT Edges					Limit (V/m)
	A (V/m)	B (V/m)	C (V/m)	D (V/m)	E (V/m)	
20	3.945	4.244	4.288	4.585	4.211	614.00

6 Test Conclusion

6.1 H-field

Distance (cm)	EUT Edge C	Limit (A/m)	50% Limit (A/m)	Verdict
	(A/m)			
20	0.110	1.63	0.815	Pass

According KDB 680106 D01v04, the EUT is compliant with the 50% of the MPE limits.

6.2 E-field

Distance (cm)	EUT Edge C	Limit (V/m)	50% Limit (V/m)	Verdict
	(V/m)			
20	4.585	614.00	307	Pass

According KDB 680106 D01v04, the EUT is compliant with the 50% of the MPE limits.

Note: Test setup photos please refer the document "Ti-EE26070698-AS SAR test setup photo.pdf".

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
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5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--