TEST REPORT

Application No.:	BTEK241211060A01-T01
Applicant:	SHENZHEN ECARE ELECTRONICS CO., LTD
Address of Applicant:	B201/B401/B501/B601, Hua Li Industrial Building, 404 Yu An Road, Bao An, Shenzhen, Guang Dong, China
Manufacturer:	SHENZHEN ECARE ELECTRONICS CO., LTD
Address of Manufacturer:	B201/B401/B501/B601, Hua Li Industrial Building, 404 Yu An Road, Bao An, Shenzhen, Guang Dong, China
Equipment Under Test (EUT):	
EUT Name:	Thermometer
Test Model.:	TP210B
Adding Model(s):	TP210BW, B210B
Trade Mark:	/
FCC ID:	2AATP-TP210B
Standard(s) :	47 CFR Part 2 Subpart J Section 2.1093 447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s):	2024-12-25
Date of Test:	2024-12-25 to 2025-01-06
Date of Issue:	2025-01-07
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Lion Cai/ Approved & Authorized
EMC Laboratory Manager

Revision Record			
Version	**Issue Date**	**Revisions**	**Remarks**
V0	*2025-01-07*	Initial	Valid

Authorized for issue by:				
		 **Karl Liu / File Editor**		
		 **June Li/Reviewer**		

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Contents

3 General Information

3.1 Details of E.U.T.

General Information

4.1 Details of E.U.T.

Power supply:	Input:DC 5V recharge by USB port Capacity: DC 3.7V 500mAh 1.85Wh from battery
Frequency Range:	915MHz
Modulation Type:	ASK
Number of Channels:	1
Antenna Type:	Spring antenna
Antenna Gain:	-8.55dBi
Sample No.:	BTEK241211060A01-1/1
Model(s) Difference Statement	☐Singel Model.
	☒Multi-Models:TP210B, TP210BW, B210B Only the model TP210B was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, with only difference on Model No.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
/	/	/	/

4.3 Test Location

All tests were performed at:
Shenzhen BANTEK Testing Co., Ltd.,
A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103
Tel:0755-2334 4200 Fax: 0755-2334 4200
FCC Registration Number: 264293
Designation Number: CN1356
No tests were sub-contracted.

4.4 Deviation from Standards

None

4.5 Abnormalities from Standard Conditions

None

4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(b)

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-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 4.1 f) is applied to determine SAR test exclusion.

4.1Assessment Result

☒ **Passed** ☐ **Not Applicable**

Frequency (MHz)	Field Strength (dBuV/m)	calc. Pt (mW)	limit (mW)
915.0	75.23	0.01	1

pt = transmitter output power in watts,
gt = numeric gain of the transmitting antenna (unitless),
E = electric field strength in V/m, --- $10^{((dBuV/m)/20)}/10^6$
d = measurement distance in meters (m) ---3m
Field strength =75.23dBuV/m @3m
Ant gain =0dBi, so gt =1
So pt = $(E \times d)^2/30 \times gt = \{ [10^{75.23/20})/10^6 \times 3]^2/30 \times 1\} \times 1000$ mW =0.11mW
So a SAR test is not required

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -