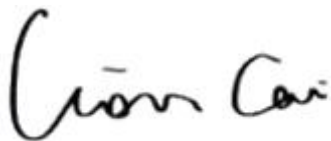


TEST REPORT

Application No.: BTEK240819019AE
Applicant: SHENZHEN ECARE ELECTRONICS CO.,LTD.
Address of Applicant: B201/B401/B501/B601, Hua Li Industrial Building, 404 YuAn 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 YuAn Road, Bao An, Shenzhen, Guang Dong, China
Equipment Under Test (EUT):
EUT Name: Wireless Meat Thermometer
Test Model.: TB862B
Adding Model(s): TP862BW, H62B, TP863B, TP863BW, H63B
Trade Mark: /
FCC ID: 2AATP-TP862B
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
447498 D01 General RF Exposure Guidance v06
Date of Receipt: 2024-08-20
Date of Test: 2024-08-21 to 2024-09-19
Date of Issue: 2024-09-20

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Lion Cai/ Approved & Authorized
EMC Laboratory Manager



Revision Record				
Version	Chapter	Date	Modifier	Remark
V0		2024-09-20		Original

Authorized for issue by:				
		Zora . Huang		
		Zora Huang/ Project Engineer		
		June Li		
		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.



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General Information

3.1 Details of E.U.T.

Power supply:	TX:Probe Power by Receiver 2.4V 0.012Wh (Storage capacitance) RX:Receiver Type-C DC Input 5V Battery capacity: 3.7V, 500mAh(Built-in lithium rechargeable battery)
Frequency Range:	915MHz
Modulation Type:	FSK
Number of Channels:	1
Antenna Type:	wire antenna
Antenna Gain:	0dBi
Sample No.:	BTEK240819019AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

Model No.: TB862B,TP862BW,H62B,TP863B,TP863BW,H63B

Only the model TB862B 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

3.2 Description of Support Units

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

3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtuo 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.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

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.

4.1 Assessment Result

☒ Passed ☐ Not Applicable

Frequency (MHz)	Field Strength (dBuV/m)	calc. Pt (mW)	limit (mW)
915.0	78.06	0.02	1

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, --- $10^{((\text{dBuV/m})/20)/10^6}$

d = measurement distance in meters (m) ---3m

Field strength =78.06dBuV/m @3m

Ant gain =0dBi, so gt =1

So $pt = (E \times d)^2 / 30 \times gt = \{ [10^{(78.06/20)} / 10^6 \times 3]^2 / 30 \times 1 \} \times 1000 \text{ mW} = 0.02 \text{ mW}$

So a SAR test is not required

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

