



TEST REPORT

Application No.: BTEK230808004AE
Applicant: SHENZHEN ECARE ELECTRONICS CO., LTD
Address of Applicant: 5-6/F., Block B, Huali Industrial Building District 28, 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
Factory: SHENZHEN ECARE ELECTRONICS CO., LTD
Address of Factory: B201/B401/B501/B601, Hua Li Industrial Building, 404 Yu An Road, Bao An, Shenzhen, Guang Dong, China
Equipment Under Test (EUT):
EUT Name: Bluetooth Temperature Monitor
Model No.: TP970, TP970W, I70
Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: NA
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-08-08
Date of Test: 2023-08-09 to 2023-10-08
Date of Issue: 2023-10-08

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

Damon Su
EMC Laboratory Manager
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



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-10-08		Original

Authorized for issue by:				
				
		<hr/>		
		Carl Yang /Project Engineer		
				
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		Keven Tan /Reviewer		



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3 General Information

3.1 Details of E.U.T.

Power supply: DC 3.7V from battery or DC 5V from adapter
Test Voltage: AC 120V, 60Hz
Cable(s): /
Frequency Range: 2402MHz to 2480MHz
Bluetooth Version: Bluetooth 5.3
Modulation Type: GFSK
Number of Channels: 40
Antenna Type: PCB Antenna
Antenna Gain: -2.67dBi

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.

Declaration of EUT Family Grouping:

Model No.: TP970, TP970W, I70

Only the model TP970 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.and colour.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			



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(a)

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

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.

1.1 Assessment Result

Passed **Not Applicable**

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BLE	2402	0.68	1	0.4	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -