TEST REPORT

Report No.:	BCTC2206047110-1E
Applicant:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Product Name:	Battery indicator & Hour meter
Model/Type Reference:	RL-HM027BT
Tested Date:	2022-06-16 to 2022-06-24
Issued Date:	2022-07-14

Shenzhen BCTC Technology Co., Ltd.

Product Name:	Battery indicator & Hour meter
Trademark:	Runleader®
Model/Type reference:	RL-HM027BT RL-HM032BT, RL-HM058BT, RL-HM068BT, RL-HM086BT, RL-HM088BT, RL-HM098BT, RL-HM210BT, RL-HM400BT, RL-HM410BT, RL-HM420BT, RL-HM430BT, RL-SM002BT, RL-SM005BT, RL-BI025A-BT, RL-BI025B-BT, RL-BI609BT, RL-BI032BT, RL-BI036BT, RL-BI620BT etc
Prepared For:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Address:	1-2, Sixth Xinheng Road,Cicheng,Jiangbei District,Ningbo City,Zhejiang Province
Manufacturer:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Address:	1-2, Sixth Xinheng Road,Cicheng,Jiangbei District,Ningbo City,Zhejiang Province
Prepared By:	Shenzhen BCTC Technology Co., Ltd.
Address:	1 Floor, Building 2, Huayou Industrial, Yousong Road, Fukang Community, Longhua Street, Longhua District, Shenzhen, Guangdong, China
Sample Received Date:	2022-06-16
Sample tested Date:	2022-06-16 to 2022-06-24
Issue Date:	2022-07-14
Report No.:	BCTC2206047110-1E
Test Standards:	EN 62479:2010 EN 50663:2017
Test Results:	PASS
Remark:	This is Health test report.

Tested by:

SnowZeng/ Project Handler

Approved by:

Carson.zhang/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

Table of Content

Test Report Declaration Page
1. Version 4
2. Product Information And Test Setup 5
2.1 Product Information 5
3. Health Requirements 6
3.1 Limits 6
3.2 Exposure Evaluation 6

1. Version

Report No.	Issue Date	Description	Approved
BCTC2206047110-1E	2022-07-14	Original	Valid

2. Product Information And Test Setup

2.1 Product Information

Model/Type reference:	RL-HM027BT
Model differences:	All the model are the same circuit and RF module, except model names and appearance.
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	Bluetooth (BLE): 2402-2480MHz
Max. RF output power:	Bluetooth (BLE): -1.14dBm
Type of Modulation:	Bluetooth (BLE): GFSK
Antenna installation:	PCB antenna
Antenna Gain:	0 dBi
Ratings:	DC 3V

3. Health Requirements

3.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (10MHz to 300GHz)

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.

Annex A contains example values for Pmax derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2], and IEEE Std C95.1-2005 [3].

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the Pmax values given in Annex A, the alternative Pmax values (called Pmax′), described in Annex B can also be used.

For low power equipment using pulsed signals, other limits may apply in addition to those considered in Annex A and Annex B. Both ICNIRP guidelines [1] and IEEE standards [2], [3] have specific restrictions on exposures to pulsed fields, and the requirements of those standards with respect to exposure to pulses shall be met. Annex C discusses this topic further.

Exposure tier	Region of body	Exclusion level Pmax
General public	Head and trunk	20mW(13dBm)
General public	Limbs	40mW(16dBm)

3.2 Exposure Evaluation

Mode	The worst e.i.r.p. (dBm)	P_{max}(dBm)	Result
BLE	-1.14dBm	13	PASS
Remark: 1,refer to RF test report for e.i.r.p. 2, After performed the test at low/middle/high channel, the record is the worst.			

STATEMENT

1.The equipment lists are traceable to the national reference standards.

2.The test report can not be partially copied unless prior written approval is issued from our lab.

3.The test report is invalid without stamp of laboratory.

4.The test report is invalid without signature of person(s) testing and authorizing.

5.The test process and test result is only related to the Unit Under Test.

6.The quality system of our laboratory is in accordance with ISO/IEC17025.

7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:
1st floor, building 2, Huayou Industrial Zone, Yousong Road, Fukang community, Longhua street, Longhua District, Shenzhen, P. R. China

TEL：400-788-9558

P.C.: 518103

FAX：0755-33229357

Website：http://www.chnbctc.com

E-Mail：bctc@bctc-lab.com.cn

※※※※※ **END** ※※※※※