



Shenzhen BANTEK Testing Co., Ltd.

Report No.: BTEK231009013AE002

Page: 1 of 5

FCC ID: 2BC6YHCSP24V150

TEST REPORT

Application No.: BTEK231009013AE
Applicant: Sichuan Dingxin Smart Storage Technology Co. Ltd
Address of Applicant: Tianke Creation Industrial Base, Chengdu, SC
Manufacturer: Chengdu Huachu New Energy Battery for Trucks Co., Ltd
Address of Manufacturer: No.612, Building 1, No.938, Tiangong Avenue, Xinxing Street, Tianfu New District, Chengdu, China
Factory: Chengdu Huachu New Energy Battery for Trucks Co., Ltd
Address of Factory: No.612, Building 1, No.938, Tiangong Avenue, Xinxing Street, Tianfu New District, Chengdu, China
Equipment Under Test (EUT):
EUT Name: Kadianbao(truck start-up parked lithium-ion battery)
Model No.: HCSP24V150
Trade Mark: NA
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1091
Date of Receipt: 2023-10-09
Date of Test: 2023-10-09 to 2023-10-28
Date of Issue: 2023-10-28

Test Result:

Pass*

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

Damon Su

Damon Su
EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

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Page: 2 of 5

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-10-28		Original

Authorized for issue by			
			
		Carl Yang /Project Engineer	
			
		Keven Tan /Reviewer	



2 Contents

	Page
1 Cover Page	1
2 Contents	3
3 General Information.....	4
3.1 Details of E.U.T.	4
3.2 Description of Support Units	4
3.3 Test Location.....	4
3.4 Deviation from Standards.....	4
3.5 Abnormalities from Standard Conditions	4
4 Test Requirement	5
4.1Assessment Result.....	5



3 General Information

3.1 Details of E.U.T.

Power supply: DC 27.56V, 40A Max.
Test Voltage: NA
Cable(s): /
Frequency Range: 2402MHz to 2480MHz
Bluetooth Version: Bluetooth 5.3
Modulation Type: GFSK
Number of Channels: 40
Antenna Type: PIFA Antenna
Antenna Gain: 5dBi

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.

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

Test Requirement

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), Limits for Maximum Permissible Exposure (MPE),

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 Exposures				
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
300–1500	-	-	f/300	6
1500–100,000	-	-	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
300–1500	-	-	f/1500	30
1500–100,000	-	-	1.0	30

Note: f = frequency in MHz

EVALUATION METHOD

Transmission formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW, G = gain of antenna in linear scale;

$P_i = 3.1416$, R = distance between observation point and center of the radiator in cm

4.1Assessment Result

☒ Passed ☐ Not Applicable

Frequency (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
2402	BLE	-0.51	0	0.0009	1.0000	Pass

Note: The exposure evaluation safety distance is 20cm.

- End of the Report -

