

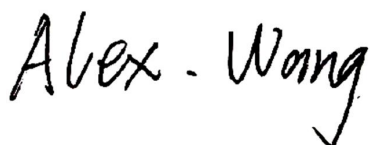
TEST REPORT

Application No.: BTEK250717099A01-T01
Applicant: Dyness Digital Energy Technology Co.,LTD.
Address of Applicant: Building 5, No.688 Liupu Road, Guoxiang Street,Wuzhong District, Suzhou City, Jiangsu Province
Manufacturer: Dyness SZ Energy Storage Technology Co., LTD
Address of Manufacturer: 501D13, Zhongshen Garden Group Building, No.2010 Caitian Road,Futian Street, Futian District, Shenzhen

Equipment Under Test (EUT):
EUT Name: Lithium Iron Phosphate Battery
Test Model.: AR2.5-24V BT
Adding Model(s): /
Trade Mark: Dyness
FCC ID: 2BPRZ-24V100
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s): 2025-08-25
Date of Test: 2025-08-26 to 2025-09-03
Date of Issue: 2025-09-04

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



Alex Wang / Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2025-09-04	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.



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3 General Information

3.1 Details of E.U.T.

Power supply:	Nominal Volt: 25.6V Nominal Capacity: 100Ah Nominal Energy: 2560Wh
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.0 BLE
Modulation Type:	GFSK
Channel Spacing:	2MHz
Data Rate:	1Mbps/2Mbps
Number of Channels:	40
Antenna Type:	PCB Antenna
Antenna Gain:	1.2dBi
Sample No.:	BTEK250821118A01-01
Model(s) Difference Statement	☒ Single Model. ☐ Multi-Models:

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

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BLE-2M	2402	2.96	3.0	0.62	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

