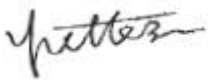
Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Report Reference No..... :	**MTEB23090009-H**	
FCC ID..... :	**2BCR2-D5**	
Compiled by (position+printed name+signature).. :	File administrators Alisa Luo	
Supervised by (position+printed name+signature).. :	Test Engineer Sunny Deng	
Approved by (position+printed name+signature).. :	Manager Yvette Zhou	
Date of issue.....:	**Sep.01,2023**	
Representative Laboratory Name. :	**Shenzhen Most Technology Service Co., Ltd.**	
Address..... :	East A, 1 Floor of New Aolin Factory Building, Langshan Erlu, North District, Hi-Tech Industry Park Nanshan, Shenzhen, Guangdong, People's Republic of China	
Applicant's name.....:	**Shenzhen Wind Horse New Energy Technology Limited**	
Address..... :	5D-506 F 1.6 Block, Tianfa Building, Tianan Chegongmiao Industrial park, Futian Distict, Shenzhen, P.R China	
Test specification/ Standard.....**:**	**47 CFR Part 1.1307** **47 CFR Part 2.1093**	
TRF Originator.....:	Shenzhen Most Technology Service Co., Ltd.	

Test item description.....:	E-bike
Trade Mark.....:	WINDHORSE
Model/Type reference..... :	D5
Listed Models ..... :	N/A
Modulation Type..... :	GFSK
Operation Frequency..... :	From 2402MHz to 2480MHz
Hardware Version.....	V 1.0
Software Version.....	V 1.04
Rating.....:	1:DC 48V (by Battery) 2:DC 54.6V (by Adapter)
Result.....:	PASS

T E S T R E P O R T

Equipment under Test	:	E-bike
Model /Type	:	D5
Listed Models		N/A
Remark		N/A
Applicant	:	**Shenzhen Wind Horse New Energy Technology Limited**
Address	:	5D-506 F 1.6 Block, Tianfa Building, Tianan Chegongmiao Industrial park, Futian Distict, Shenzhen, P.R China
Manufacturer	:	**Shenzhen Wind Horse New Energy Technology Limited**
Address	:	5D-506 F 1.6 Block, Tianfa Building, Tianan Chegongmiao Industrial park, Futian Distict, Shenzhen, P.R China

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.09.01	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06
4.3.1. Standalone SAR test exclusion considerations
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation[17]
The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	1.779	1.779±1	2.779
Middle(2440MHz)	2.670	2.670±1	3.67
Highest(2480MHz)	2.803	2.803±1	3.803

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2480MHz)	2.803	3.803	2.40	0.75	3.0	Yes

.....THE END OF REPORT.....