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

TEST REPORT

Report Reference No..... :	**MTEB24100094-H**	
FCC ID..... :	**2BLOJ-2405097**	
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..... :	**Oct.14,2024**	
Representative Laboratory Name. :	**Shenzhen Most Technology Service Co., Ltd.**	
Address..... :	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.	
Applicant's name..... :	**Ningbo Luckibuy Imp & Exp Co., Ltd**	
Address..... :	16F, Guangbo Panorama Building, No. 252 Tianda Alley,South Business District, Ningbo， 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.....:	RECHARGEABLE SOLAR LED COOP LIGHT
Trade Mark..... :	N/A
Model/Type reference..... :	2405097
Listed Models ..... :	TSC-P26-2328S / P26-2328S 2441874 / TSC-P26-23PDQ / P26-23PDQ
Modulation Type..... :	FSK
Operation Frequency..... :	433.92MHz
Hardware version..... :	TC-517
Software version ..... :	/
Rating..... :	DC 3V by Battery
Result..... :	**PASS**

T E S T R E P O R T

Equipment under Test	:	RECHARGEABLE SOLAR LED COOP LIGHT
Model /Type	:	2405097
Listed Models	:	TSC-P26-2328S / P26-2328S 2441874 / TSC-P26-23PDQ / P26-23PDQ
Remark		Only the product model name is different, the others are the same.
Applicant	:	Ningbo Luckibuy Imp & Exp Co., Ltd
Address	:	16F, Guangbo Panorama Building, No. 252 Tianda Alley,South Business District, Ningbo， China
Manufacturer	:	Bestek (Vietnam) Technology Co.,Ltd
Address	:	Nguyen Ai Quoc Street, Nhon Trach lll industrial Park - Phase 2.Hiep Phuoc Town, Nhon Trach District, Dong Nai Province, Vietnam

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.

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2024.10.14	Initial Issue	Alisa Luo

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

EIRP =PT*GT= $(E \times D)^2 /30$
where:
PT = transmitter output power in watts,
GT = numeric gain of the transmitting antenna (unitless),
E = electric field strength in V/m, ---$10^{(dB\mu V/m)/20)}/10^6$,
D = measurement distance in meters (m)---3m,
So PT = $(E \times D)^2 /30$ / GT

The worst case (refer to report MTEB24100094-R) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	77.05	Peak
433.92	49.15	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	76.78	Peak
433.92	49.93	Average

For 433.92MHz wireless:
Field strength=77.05dBuV/m
Ant gain 1dBi;so Ant numeric gain=1.26

EIRP = PT*GT = $(E \times D)^2 /30=(10^{(dB\mu V/m)/20)}/10^6*3)^2/30=0.000015$
So PT= EIRP/GT=0.000015W=0.015mW
So0.015mW/5mm)* √0.43392GHz=00.00198

exclusion=0.00198<3.0 for 1-g SAR

So the SAR report is not required.