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......:	**MTEB23070051-H**	
FCC ID..... :	**2BBXD-KEZ01**	
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.....:	**July 06, 2023**	
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.....:	**Shenzhen Surmountor Lighting Co., Limited**	
Address .....:	2nd Floor, Building D, NO.5, Fu Rui Road, Qiao Tou, Fuyong town, 518103，Bao An district, Shenzhen, Guang Dong Province, 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 .....:	DOG TRAINING COLLAR
Trade Mark .....:	N/A
Model/Type reference.....:	KEZ01
Listed Models .....:	N/A
Modulation Type .....:	FSK
Operation Frequency.....:	433.72MHz
Hardware version .....:	V1.0
Software version .....:	V1.0
Rating .....:	DC 3.7V(by Battery) DC 5V(by USB)
Result.....:	**PASS**

TEST REPORT

Equipment under Test	:	DOG TRAINING COLLAR
Model /Type	:	KEZ01
Listed Models	:	N/A
Remark		N/A
Applicant	:	Shenzhen Surmountor Lighting Co., Limited
Address	:	2nd Floor, Building D, NO.5, Fu Rui Road, Qiao Tou, Fuyong town, 518103，Bao An district, Shenzhen, Guang Dong Province, China
Manufacturer	:	Shenzhen Surmountor Lighting Co., Limited
Address	:	2nd Floor, Building D, NO.5, Fu Rui Road, Qiao Tou, Fuyong town, 518103，Bao An district, Shenzhen, Guang Dong Province, 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.

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.07.06	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 MTEB23070051) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.72	73.69	Peak
433.72	65..93	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.72	74.96	Peak
433.72	67.20	Average

For 433.72MHz wireless:
Field strength=74.96 dBuV/m
Ant gain-1.77dBi;so Ant numeric gain=0.66

EIRP = PT*GT = $(E \times D)^2 /30=(10^{(dB\mu V/m)/20)}/10^6*3)^2/30=0.00094$
So PT= EIRP/GT=0.0000108W=0.00142mW
So(0.00142mW/5mm)* $\sqrt{}$0.43392GHz=0.0019

exclusion=0.0019<3.0 for 1-g SAR

So the SAR report is not required.