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

TEST REPORT

FCC Rules Part 15.231

Report Reference No......:	**MTWG2207207-H**
FCC ID..... :	**2A8IK-SEH01**
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.....:	**Aug 08, , 2022**
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 WARM GARDEN ELECTRICAL APPLIANCES CO.,LTD**
Address .....:	Xingguang Industrial Zone,Shiqi Town,Haishu District,Ningbo，315199,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 .....:	ELECTRIC PATIO HEATER
Trade Mark .....:	WARM GARDEN
Model/Type reference.....:	SEH01
Listed Models .....:	WEH07
Modulation Type .....:	ASK
Operation Frequency.....:	433.92MHz
Hardware version .....:	V1.0
Software version .....:	V1.1
Rating .....:	DC3V(by Batteries)
Result.....:	**PASS**

T E S T R E P O R T

Equipment under Test	:	ELECTRIC PATIO HEATER
Model /Type	:	SEH01
Listed Models	:	WEH07
Applicant	:	**NINGBO WARM GARDEN ELECTRICAL APPLIANCES CO.,LTD**
Address	:	Xingguang Industrial Zone,Shiqi Town,Haishu District,Ningbo，315199,China
Manufacturer	:	**NINGBO WARM GARDEN ELECTRICAL APPLIANCES CO.,LTD**
Address	:	Xingguang Industrial Zone,Shiqi Town,Haishu District,Ningbo，315199,China

Test Result:	**PASS**

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2022.08.08	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 MTWG2207207) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	73.69	Peak
433.92	65..93	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	74.96	Peak
433.92	67.20	Average

For 433.92MHz wireless:
Field strength=74.96 dBuV/m
Ant gain:0dBi;so Ant numeric gain=1.0

EIRP = PT*GT = $(E \times D)^2 /30=(10^{(dB\mu V/m)/20)}/10^6*3)^2/30=0.0000108$
So PT= EIRP/GT=0.0000108W=0.0108mW
So(0.0108mW/5mm)* √0.43392GHz=0.00142

exclusion=0.00142<3.0 for 1-g SAR

So the SAR report is not required.