

RF EXPOSURE REPORT

Report No.: DDT-B23101801-2E02

Applicant	:	NSV International Corporation
Address	:	1250 E 29TH St Signal Hill, CA, 90755-1800 USA
Equipment under Test	:	Tire Inflator
Model No.	:	PT949-35240,PT949-60240,PT949-89240
Trade Mark	:	N/A
FCC ID	:	2BEU5PT94935240
Manufacturer	:	Dongguan Hesheng Machinery & Electric Co., Ltd.
Address	:	13th Floor, Building 1, No.30 Tangxia Section, Dongshen Road, Tangxia Town, Dongguan City, Guangdong Province, China

Issued By: Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park
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TEST REPORT DECLARE

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-B23101801-2E02		
Date of Receipt:	Dec. 01, 2023	Date of Test:	Dec. 01, 2023 ~ Dec. 19, 2023

Prepared By:

Sunny Zhang

Sunny Zhang/Engineer

Approved By:

Aaron Zhang

Aaron Zhang/Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Tianjin Dongdian Testing Service Co., Ltd.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Dec. 19, 2023	

1. General information

1.1. Description of Equipment

EUT* Name	: Tire Inflator
Model Number	: PT949-35240,PT949-60240,PT949-89240
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 12V by Polymer Li-ion built-in battery
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK
Data Rate	: 1 Mbps
Antenna Type	: PIFA antenna, maximum PK gain: -2.63 dBi
Sample Number	: N/A
Exposure category	: General population/uncontrolled environment
Device Type	: Mobile Device
Target power and tolerance	: -1 ± 2 dBm

1.2. Assess laboratory

Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Tel: +86-22-58038033, <http://www.ddttest.com>, Email: ddt@dgddt.com

NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

2.1. Estimation Result

Worse case is as below: [2480MHz, 1.0 dBm, 1.26 mW) output power]
 $(1.26/5) \cdot [\sqrt{2.480(\text{GHz})}] = 0.397 < 3.0$ for 1-g SAR

Conclusion: The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

END OF REPORT