RF EXPOSURE REPORT

Applicant	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Equipment under Test	:	electronic shelf label
Model No.	:	Nebular Pro-266Q-N
Trade Mark	:	N/A
FCC ID	:	2BPF3-NP2660
Manufacturer	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Report No.	:	DDT-B25052222-2E03
Issue Date	:	Aug. 06, 2025
Issued By	:	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, E-mail: ddt@dgddt.com, http://www.ddttest.com

检验检测专用章
Inspection & Testing Services

REPORT

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TEST REPORT DECLARE

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Standard Used: Code of Federal Regulations 47 Subchapter A, Part 1, Subpart 1 §1.1310

We Declare:
The equipment described above is assessed by Tianjin 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 Tianjin 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-B25052222-2E03		
Date of Receipt:	Jul. 17, 2025	**Date of Test:**	Jul. 17, 2025 ~ Aug. 06, 2025

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	Aug. 06, 2025	

1. General information

1.1. Description of Equipment

EUT* Name	:	electronic shelf label
Model Number	:	Nebular Pro-266Q-N
EUT function description	:	Please reference user manual of this device
Power Supply	:	DC 5V by USB
Radio Specification	:	2.4G SRD
Operation Frequency	:	2402 MHz - 2480 MHz
Modulation	:	GFSK
Data Rate	:	500k bps
Antenna Type	:	PCB antenna 1, maximum PK gain: -0.7 dBi
Exposure category	:	General population/uncontrolled environment
Device Type	:	Mobile Device

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

2.1. Requirement

According 1.1307(b)(3)(i)
For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right)$$ and f is in GHz;

and

$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

d = the separation distance (cm);

2.2. Estimation result

According ANSI C63.10-2020, Convert the electric field strength to an equivalent EIRP using the following relationship:

EIRP = E + 20log(d) - 104.8

where

E is the electric field strength in dBμV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

2.4G SRD

Mode	Frequency（MHz）	Maximum AV Field Strength (dBuv/m)	EIRP（dBm）
GFSK Ant1	2402	74.01	-21.22
GFSK Ant1	2441	76.01	-19.22
GFSK Ant1	2480	74.68	-20.55

Max turn-up EIRP is -20dBm = 0.01mW < 1mW

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