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 Ultra-266Q-N D2
Trade Mark	:	N/A
FCC ID	:	2BPF3-NU2-266Q
Manufacturer	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Report No.	:	LS-R26090711-5F04
Issue Date	:	Oct. 10, 2026

LabSure Testing Services (Tianjin) Co., Ltd.

www.lab-sure.com
E-mail: labsure@lab-sure.com
Tianjin, China Tel: +86-022-58038033
Suzhou, China Tel: +86-0512-62531270

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TEST REPORT DECLARE

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Standard Used: Code of Federal Regulations 47 Subchapter A, Part 1, Subpart 1 §1.13107.

We Declare:
The equipment described above is tested and assessed by LabSure Testing Services (Tianjin) Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The tested and assessed results are contained in this test report and LabSure Testing Services (Tianjin) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assessments.
After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above standards.

Report No:	LS-R26090711-5F04		
Date of Receipt:	Sep. 09, 2026	**Date of Test:**	Sep. 09, 2026 ~ Sep. 30, 2026

Prepared By:	***Reviewed by:***	***Authorized by:***
Sunny Zhang	Ethan Bao	Aaron Zhang
Sunny Zhang/Engineer	***Ethan Bao/Engineer***	***Aaron Zhang/Manager***

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

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Oct. 10, 2026	

1. General information

1.1. Description of Equipment

EUT* Name	:	electronic shelf label
Model Number	:	Nebular Ultra-266Q-N D2
EUT function description	:	Please reference user manual of this device
Power Supply	:	DC 3V by battery
Radio Specification	:	One 2.4GHz SRD, One Bluetooth (LE), One 13.56MHz NFC
Operation Frequency	:	SRD: 2402MHz-2480MHz BLE: 2402MHz-2480MHz NFC: 13.56MHz
Modulation	:	2.4GHz SRD: GFSK Bluetooth (LE): GFSK NFC: ASK
Data Rate	:	2.4GHz SRD: 500k bps BLE: 1Mbps&2Mbps NFC: 106kbps
Antenna Type	:	PCB antenna, maximum PK gain: -1.2 dBi
Exposure category	:	General population/uncontrolled environment
Device Type	:	Portable Device

1.2. Assess laboratory

LabSure Testing Services (Tianjin) Co., Ltd.
Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.
Tel: +86-22-58038033, www.lab-sure.com, E-mail: labsure@lab-sure.com
A2LA (American Association for Laboratory Accreditation) Number: 7735.01
CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402
FCC Designation Number: CN1464; FCC Test Firm Registration Number: 991964
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:

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

Where

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

and

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

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

ERP= EIRP - 2.15 dB

For Bluetooth (LE):
The Max Tune up PK EIRP = 2dBm- 1.2dBi=0.8dBm
ERP= EIRP -2.15dB = 0.8 - 2.15 = -1.35 dBm = 0.73mW < $ERP_{0.5cm}$ 2.79mW

For 2.4G SRD

Mode	Frequency（MHz）	Maximum PK Field Strength (dBuv/m)	EIRP（dBm）
GFSK Ant1	2402	82.66	-12.57
GFSK Ant1	2441	81.49	-13.74
GFSK Ant1	2480	81.63	-13.60

Max turn-up PK EIRP is -11dBm
ERP= EIRP -2.15dB = -11 - 2.15 = -13.15 dBm = 0.05mW < $ERP_{0.5cm}$ 2.79mW

For NFC

Mode	Frequency（MHz）	Maximum PK Field Strength (dBuv/m)	EIRP（dBm）
Tx mode	13.56MHz	54.65	-40.58

Max turn-up PK EIRP is -40dBm=0.0001mW<1mW

BLE+NFC+2.4G=0.73/2.79+0.05/2.79+0.0001=0.2796<1

Note: The separation distance is 0.5cm
Conclusion: The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure of portable device.

END OF REPORT