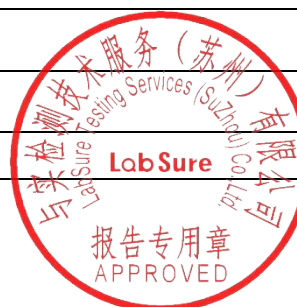


RF EXPOSURE REPORT

Applicant	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Manufacturer	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Equipment under Test	:	Electronic shelf label
Model No.	:	Nebular Ultra-260WQ-N D1
Trade Mark	:	N/A
FCC ID	:	2BPF3-NU2-260W
Report No.	:	LS-R26070313-1F04
Issue Date	:	Aug. 08, 2026



LabSure Testing Services (Suzhou) Co., Ltd.

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2.	RF Exposure Evaluation	7
2.1.	Requirement	7
2.2.	Calculation method	8
2.3.	Estimation result	错误!未定义书签。

Test Report Declare

Applicant	:	HANSHOW PTE. LTD.
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Manufacturer	:	HANSHOW PTE. LTD.
Address	:	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)
Equipment under Test	:	Electronic shelf label
Model No.	:	Nebular Ultra-260WQ-N D1
Trade mark	:	N/A

Standard Used: KDB447498 D04 General RF Exposure Guidance v01

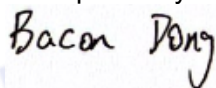
We Declare:

The equipment described above is assessed by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and LabSure Testing Services (Suzhou) 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.

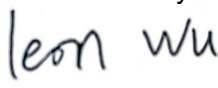
Report No:	LS-R26070313-1F04		
Date of Receipt:	Jul. 10, 2026	Date of Test:	Jul. 10, 2026 ~ Aug. 08, 2026

Prepared By:



Bacon Dong/Engineer

Reviewed By:



Leon Wu/Director

Authorized By:



Chris Zhong/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 (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 08, 2026	

1. General information

1.1. Description of Equipment

EUT Name	: Electronic shelf label
Model Number	: Nebular Ultra-260WQ-N D1
EUT Function Description	: Please reference user manual of this device
Power supply	: DC 3V by Polymer Li-ion built-in battery
Radio Technology	: 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
Transmitter rate	: 2.4GHz SRD: 500k bps : BLE: 1Mbps&2Mbps : NFC: 106kbps
Antenna Type	: -1.5 dBi (Declare by customer and the lab isn't responsible for the value)
Exposure category	: General population/uncontrolled environment
Device Type	: Mobile Device
Target power and tolerance EIRP	: 2.4GHz SRD Max output Power Tune up: 3dbm $\pm$ 1dB : BLE Max output Power Tune up: 3dbm $\pm$ 1dB : NFC Maximum PK Field Strength (3m): 41dBuV/m $\pm$ 1dB

1.2. Assess laboratory

Lab Information	Company Name: LabSure Testing Services (Suzhou) Co., Ltd. Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China. Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com
Accreditation Certificate	A2LA (Certificate No.: 7346.01) LabSure Testing Services (Suzhou) Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1397) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 32952; CAB No.:CN0182) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS. Note 3: The test anechoic chamber in LabSure Testing Services (Suzhou) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.	

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:

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

Where

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

and

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

d = the separation distance (cm);

2.2. Calculation method

According ANSI C63.10-2020, Relationship between ERP and EIRP as below:

$ERP = EIRP - 2.15 \text{ dB}$

For Bluetooth (LE):

The Max Tune up PK EIRP = 4dBm- 1.5dBi=2.5dBm

$ERP = EIRP - 2.15 \text{ dB} = 2.5 - 2.15 = 0.35 \text{ dBm} = 1.08 \text{ mW} < ERP_{0.5\text{cm}} 2.79 \text{ mW}$

For 2.4G SRD:

The Max Tune up PK EIRP = 4dBm- 1.5dBi=2.5dBm

$ERP = EIRP - 2.15 \text{ dB} = 2.5 - 2.15 = 0.35 \text{ dBm} = 1.08 \text{ mW} < ERP_{0.5\text{cm}} 2.79 \text{ mW}$

Mode	Frequency (MHz)	Maximum Tune up PK Field Strength (dBuV/m)	EIRP (dBm)	EIRP (mW)	Exposure Limits (mW)
NFC	13.56MHz	42	-53.23	0.000006	1

$BLE+2.4G \text{ SRD}+NFC=1.08/2.79+1.08/2.79+0.000006/1=0.7742<1$

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