47 C.F.R. Part 1, Subpart I, Section 1.1310
47 C.F.R. Part 2, Subpart J, Section 2.1093
KDB 680106 D01 v03r01

Maximum Permissible Exposure Report

For

13.3” LCD w/Wireless Charger Module

Model: DPD1334-STQ-Q06, DPD1334-STQ-Q04

Trade Name: Litemax

Issued to

Litemax Electronics Inc.
6F-1, No. 131, Lane 235, Baoqiao Rd., Xindian Dist.,
New Taipei City, Taiwan 23145

Issued by

Compliance Certification Services Inc.
Wugu Laboratory
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City, Taiwan
Issued Date: September 19, 2023

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 16, 2023	Initial Issue	ALL	Allison Chen
01	September 4, 2023	See the following Note Rev.(01)	P.5-6, 8	Allison Chen
02	September 13, 2023	See the following Note Rev.(02)	P.5, 9	Allison Chen
03	September 19, 2023	See the following Note Rev.(03)	P.9, 11-13	Allison Chen

Note:

Rev.(01)

1. Modify model discrepancy in section 2.
2. Modify equipment name in section 3.1, measurement uncertainty in section 3.2, and support equipment in section 5.1.

Rev.(02)

1. Modify model discrepancy in section 2.
2. Modify remark description in section 5.3.

Rev.(03)

1. Modify remark description in section 5.3 and test setup photo.

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1. TEST RESULT CERTIFICATION

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
47 C.F.R. Part 1, Subpart I, Section 1.1310 47 C.F.R. Part 2, Subpart J, Section 2.1093 KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01	Compliance
Statements of Conformity	
Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.	

Approved by:

Sky Zhou
Asst. Section Manager
Compliance Certification Services Inc.

2. EUT SPECIFICATION

<table>
<tr><td>EUT</td><td>13.3” LCD w/Wireless Charger Module</td></tr>
<tr><td>Model</td><td>DPD1334-STQ-Q06, DPD1334-STQ-Q04</td></tr>
<tr><td>Trade Name</td><td>Litemax</td></tr>
<tr><td>Model Discrepancy</td><td>
<table>
<tr><td colspan="2">Model No.:</td></tr>
<tr><td>DPD1334-STQ-Q06</td><td>DPD1334-STQ-Q04</td></tr>
<tr><td colspan="2">Panel Trad Name:</td></tr>
<tr><td colspan="2">13.3 inch BOE Panel, HOLYGO Wireless Charger</td></tr>
<tr><td>PCT Touch 229.5x730 mm</td><td>PCT Touch 229.5x648.5 mm</td></tr>
</table>
</td></tr>
<tr><td>Frequency Range</td><td>☒ 112 ~ 145 KHz
☐ Others</td></tr>
<tr><td>Device category</td><td>☐ Portable (<20cm separation)
☒ Mobile (>20cm separation)
☐ Others</td></tr>
<tr><td>Exposure classification</td><td>☐ Occupational/Controlled exposure
☒ General Population/Uncontrolled exposure</td></tr>
<tr><td>Antenna Specification</td><td>Coil Antenna</td></tr>
<tr><td>Received Date</td><td>June 28, 2023</td></tr>
<tr><td>Date of Test</td><td>July 17, 2023</td></tr>
</table>

Remark:
1. For more details, please refer to the User’s manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
3. Disclaimer: Variant information between/among model numbers / trademarks are provided by the applicant, test results of this report are applicable to the sample EUT received of main test model name.

3. MEASUREMENT EQUIPMENT USED

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW1309

3.1 Equipment Used for Emissions Measurement

RF Conducted Test Site (Shielding Room)					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
Isotropic Electric and Magnetic Field Probe	NARDA	EHP-200AC	180ZX11018	2023-04-27	2024-04-26
Software	EHP200-TS				

3.2 MEASUREMENT UNCERTAINTY

Parameter	Frequency	Expanded Uncertainty (dB)	k
Electric Field Strength	3KHz ~300KHz	± 14.48 %	2
	30KHz ~10MHz	± 14.67 %	2
Magnetic Field Strength	3KHz ~300KHz	± 14.19 %	2
	30KHz ~10MHz	± 14.14 %	2

These uncertainties represent an expanded uncertainty expressed approximately at the 95% confidence level using a coverage factor of k=2

3.3 KDB 680106 D01 v03 R01 SECTION 5.b) EQUIPMENT APPROVAL CONSIDERATIONS

Requirement	Device
(1) Power transfer frequency is less than 1MHz.	Yes. Operating Frequency is between 112kHz to 145 kHz.
(2) Output power from each primary coil is less than or equal to 15 watts.	Yes. Maximum power is 10 Watts.
(3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.	Yes.
(4) Client device is placed directly in contact with the transmitter.	Yes.
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this	Yes.
(6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.	Yes.

4. LIMIT

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310.

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of the chapter.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	* 100	6
3.0-30	1842/f	4.89/f	* $900/f^2$	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	**614**	**1.63**	* 100	30
1.34-30	824/f	2.19/f	* $180/f^2$	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

Note 1 to Table 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Note 2 to Table 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

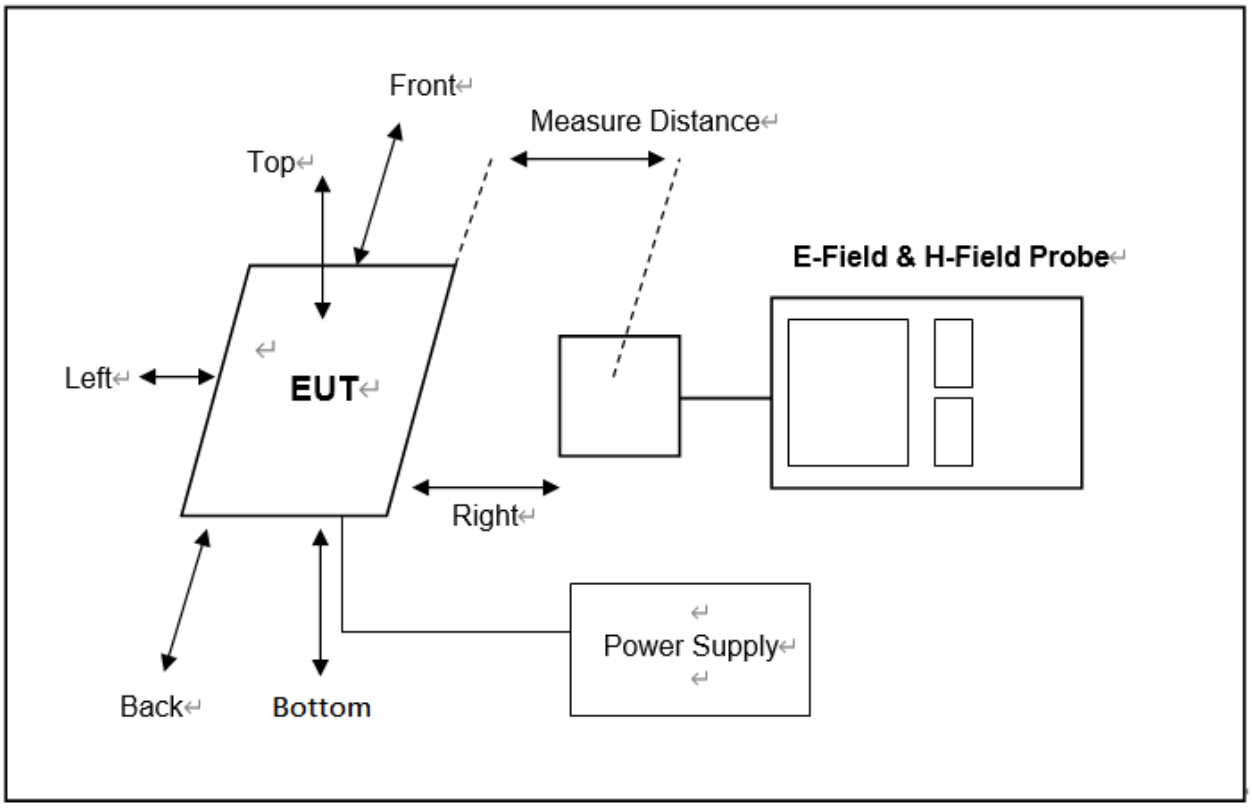
5. HUMAN EXPOSURE ASSESSMENT

5.1 Support Equipment

No.	Device Type	Brand	Model	Series No.
1	RX Lload	EESON	N/A	N/A
2	Adapter.	CWP	KPL-040F-V1	N/A

5.2 Test Setup

The test site used to collect data is a Shield Room.
The measurement was taken using a probe placed 15 cm surrounding the device and 20 cm above the top surface of the EUT. Measurements were taken the top and all sides of the EUT per KDB680106 D01 v03 R01.



5.3 Worst Case Test Results

Temperature: 23.5~24℃ **Test Date:** July 17, 2023

Humidity: 60~63% RH **Tested by:** Jack Yang

Operating Frequency	Distance (cm)	Probe from EUT Side	H-field (A/m)
112kHz-145kHz	15	Front	0.0732
	15	Back	0.0233
	15	Right	0.0403
	15	Left	0.0218
	20	Top	0.2518
	15	Bottom	0.2235
Limit			1.63
50% of the MPE limit			0.815

Remark:

1. The test evaluated the DPD1334-STQ-Q04 and DPD1334-STQ-Q06 models, with the worst-case test result being DPD1334-STQ-Q04.
2. Different loading conditions have been determined and the worst case was 100% loading.

5.4 Highest H-field Test Plots

Top_20cm