

## EU Declaration of Conformity

**Model Number:** EMC-M51  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** POS  
**Manufacture Start Year:** 2024

We hereby declare under our sole responsibility, that the object of the declaration described above is in conformity with the following EU Directives and harmonized standard(s):

1. **EU Directive 2014/53/EU** of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance.

Applicable harmonized standards:

- EN55032:2015+A1:2020+A11:2020 Class B
- EN55035:2017+A11:2020
- EN IEC61000-6-1:2019
- EN IEC 61000-6-3:2021
- EN IEC 61000-3-2:2019+A1:2021
- EN 61000-3-3:2013/A2:2021
- ETSI EN 301 489-1 V2.2.3 (2019-11)
- ETSI EN 301 489-3 V2.3.2 (2023-01)
- ETSI EN 301 489-17 V3.2.4 (2020-09)
- ETSI EN 301 489-19 V2.2.1 (2022-09)
- ETSI EN 300 328 V2.2.2 (2019-07)
- ETSI EN 300 330 V2.1.1 (2017-02)
- ETSI EN 301 893 V2.1.1 (2017-05)
- ETSI EN 300 440 V2.2.1 (2018-07)
- ETSI EN 303 413 V1.2.1 (2021-04)
- ETSI EN 303 687 V1.1.1 (2023-06)
- EN 50566:2017
- EN 62209-1:2016
- EN 62209-2: 2010+A1:2019
- EN IEC/IEEE 62209-1528:2021
- EN 50663:2017
- EN 50360:2017
- EN 62479:2010
- EN 62368-1:2014, EN 62368-1:2014/A11:2017

2. **EU Directive 2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances (Text with EEA relevance)

Technical documentation required by the EU Directive 2011/65/EU was drawn based on harmonized standard EN IEC 63000:2018.

3. **EU No 617/2013** of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers Text with EEA relevance



Kevin Huang  
Senior Director, Systems Engineering  
Elo Touch Solutions, Inc.

## EU Declaration of Conformity

**Model Number:** EMC-M51C  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** POS  
**Manufacture Start Year:** 2024

We hereby declare under our sole responsibility, that the object of the declaration described above is in conformity with the following EU Directives and harmonized standard(s):

1. **EU Directive 2014/53/EU** of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance.

Applicable harmonized standards:

- EN55032:2015+A11:2020 Class B
- EN55035:2017+A11:2020
- EN IEC61000-6-1:2019
- EN IEC 61000-6-3:2021
- EN IEC 61000-3-2:2019+A1:2021
- EN 61000-3-3:2013/A2:2021
- ETSI EN 301 489-1 V2.2.3 (2019-11)
- ETSI EN 301 489-3 V2.3.2 (2023-01)
- ETSI EN 301 489-17 V3.2.4 (2020-09)
- ETSI EN 301 489-19 V2.2.1 (2022-09)
- ETSI EN 301 489-52 V1.2.1 (2021-11)
- ETSI EN 300 328 V2.2.2 (2019-07)
- ETSI EN 300 330 V2.1.1 (2017-02)
- ETSI EN 301 893 V2.1.1 (2017-05)
- ETSI EN 300 440 V2.2.1 (2018-07)
- ETSI EN 303 413 V1.2.1 (2021-04)
- ETSI EN 301 908-1 V15.2.1 (2023-01)
- EN 50360:2017
- EN 50566:2017
- EN 62209-1:2016
- EN 62209-2; 2010+A1:2019
- EN IEC/IEEE 62209-1528:2021
- EN 62479:2010
- EN 50663:2017
- EN 62368-1:2014, EN 62368-1:2014/A11:2017

2. **EU Directive 2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances (Text with EEA relevance)

Technical documentation required by the EU Directive 2011/65/EU was drawn based on harmonized standard EN IEC 63000:2018.

3. **EU No 617/2013** of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers Text with EEA relevance



Kevin Huang  
Senior Director, Systems Engineering  
Elo Touch Solutions, Inc.

## UK Declaration of Conformity

**Model Number:** EMC-M151  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** POS  
**Manufacture Start Year:** 2024

We hereby declare under our sole responsibility, that the object of the declaration described above is in conformity with the following Product Specifications and UK Regulations:

### 1. Radio Equipment Regulations 2017

Applicable harmonized standards:

- BS EN55032:2015+A11:2020 Class B
- BS EN55035:2017+A11:2020
- BS EN IEC 61000-6-1:2019
- BS EN IEC 61000-6-3:2021
- BS EN 61000-3-2:2019+A1:2021
- BS EN 61000-3-3:2013+A2:2021
- ETSI EN 301 489-1 V2.2.3 (2019-11)
- ETSI EN 301 489-3 V2.3.2 (2023-01)
- ETSI EN 301 489-17 V3.2.4 (2020-09)
- ETSI EN 301 489-19 V2.2.1 (2022-09)
- ETSI EN 300 328 V2.2.2 (2019-07)
- ETSI EN 300 330 V2.1.1 (2017-02)
- ETSI EN 301 893 V2.1.1 (2017-05)
- ETSI EN 300 440 V2.2.1 (2018-07)
- ETSI EN 303 413 V1.2.1 (2021-04)
- ETSI EN 303 687 V1.1.1 (2023-06)
- BS EN 50566:2017
- BS EN 62209-1:2016
- BS EN 62209-2: 2010+A1:2019
- BS EN IEC/IEEE 62209-1528:2021
- BS EN 50663:2017
- BS EN IEC 62311:2020
- BS EN 50360:2017
- BS EN 62479:2010
- BS EN 62368-1:2014, EN 62368-1:2014/A11:2017

### 2. The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Technical documentation required based on harmonized standard BS EN IEC63000:2018.



Kevin Huang  
Sr Director, Systems Engineering  
Elo Touch Solutions, Inc.

## UK Declaration of Conformity

**Model Number:** EMC-M51C  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** POS  
**Manufacture Start Year:** 2024

We hereby declare under our sole responsibility, that the object of the declaration described above is in conformity with the following Product Specifications and UK Regulations:

### 1. Radio Equipment Regulations 2017

Applicable harmonized standards:

- BS EN55032:2015+A11:2020 Class B
- BS EN55035:2017+A11:2020
- BS EN IEC 61000-6-1:2019
- BS EN IEC 61000-6-3:2021
- BS EN 61000-3-2:2019+A1:2021
- BS EN 61000-3-3:2013+A2:2021
- ETSI EN 301 489-1 V2.2.3 (2019-11)
- ETSI EN 301 489-3 V2.3.2 (2023-01)
- ETSI EN 301 489-17 V3.2.4 (2020-09)
- ETSI EN 301 489-19 V2.2.1 (2022-09)
- ETSI EN 301 489-52 V1.2.1 (2021-11)
- ETSI EN 300 328 V2.2.2 (2019-07)
- ETSI EN 300 330 V2.1.1 (2017-02)
- ETSI EN 301 893 V2.1.1 (2017-05)
- ETSI EN 300 440 V2.2.1 (2018-07)
- ETSI EN 303 413 V1.2.1 (2021-04)
- ETSI EN 301 908-1 V15.2.1 (2023-01)
- BS EN 50360:2017
- BS EN 50566:2017
- BS EN 62209-1:2016
- BS EN 62209-2; 2010+A1:2019
- BS EN IEC/IEEE-62209-1528:2021
- BS EN 62479:2010
- BS EN 50663:2017
- BS EN 62368-1:2014, EN 62368-1:2014/A11:2017

### 2. The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Technical documentation required based on harmonized standard BS EN IEC63000:2018.



Kevin Huang  
Director, Systems Engineering  
Elo Touch Solutions, Inc.



14 November 2024

## FCC Declaration of Conformity

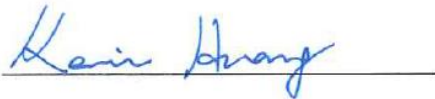
Per FCC 47 CFR FCC Part15 subpart B Section 2.1077(a)  
In accordance with FCC Rules and Regulations

**Model Number:** EMC-M51C, EMC-M51  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** POS  
**Manufacturer:** Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd.  
Suite 100  
Milpitas, CA 95035  
[www.elotouch.com](http://www.elotouch.com)

**Trademark:** 

### Declaration:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation



Kevin Huang  
Senior Director, Systems Engineering  
Elo Touch Solutions, Inc.



Ref. Certif. No.

**DK-160437-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product

Mobile Computer

Name and address of the applicant

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the manufacturer

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the factory



Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

9Vdc, 2A or 5Vdc,3A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

EMC-M51C, EMC-M51

Additional information (if necessary may also be reported on page 2)

National Differences: AU, CA, DK, EU Group Differences, IT, JP, NZ, GB, US

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

CB240527-01-02-A0 issued on 2024-11-27

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson



Ref. Certif. No.

**DK-160437-UL**

**Additionally evaluated to:**

EN 62368-1:2014, EN 62368-1:2014/A11:2017, BS EN 62368-1:2014, BS EN 62368-1:2014+A11:2017

**Additional information (if necessary)**



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson



Ref. Certif. No.

**DK-160449-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product

Mobile Computer

Name and address of the applicant

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the manufacturer

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the factory



Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

9Vdc, 2A or 5Vdc,3A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

EMC-M51C, EMC-M51

Additional information (if necessary may also be reported on page 2)

National Differences: AU, CA, CN, EU Group Differences, JP, NZ, KR, SA, GB, US

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

CB240527-01-03-A0 issued on 2024-11-27

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson





Ref. Certif. No.

**DK-160449-UL**

**Additionally evaluated to:**

EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020, BS EN IEC 62368-1:2020, BS EN IEC 62368-1:2020+A11:2020

**Additional information (if necessary)**



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson



Ref. Certif. No.

**DK-160454-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product

Mobile Computer

Name and address of the applicant

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the manufacturer

ELO TOUCH SOLUTIONS, INC.  
670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035  
USA

Name and address of the factory



Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

9Vdc, 2A or 5Vdc,3A

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

EMC-M51C, EMC-M51

Additional information (if necessary may also be reported on page 2)

National Differences: EU Group Differences, CA, JP, GB  
 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2023

As shown in the Test Report Ref. No. which forms part of this Certificate

CB240527-01-12-A0 issued on 2024-11-27

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson



Ref. Certif. No.

**DK-160454-UL**

**Additionally evaluated to:**

EN IEC 62368-1:2024, EN IEC 62368-1:2024/A11:2024, BS EN IEC 62368-1:2024, BS EN IEC 62368-1:2024/AMD11:2024

**Additional information (if necessary)**



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2024-11-28

Signature:

Thomas Wilson

GRANT OF EQUIPMENT AUTHORIZATION  
Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:

Nemko North America, Inc.  
303 River Road  
Ottawa, Ontario, K1V 1H2  
Canada

Date of Grant: 11/20/2024  
Application Dated: 11/12/2024

Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd.  
Suite 100  
Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C  
Name of Grantee: Elo Touch Solutions, Inc.  
Equipment Class: 15E 6 GHz Low Power Indoor Client  
Notes: Mobile Computer

Grant Notes

FCC Rule Parts

	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
15E	5955.0 - 6415.0	0.0284		
15E	6435.0 - 6515.0	0.0259		
15E	6535.0 - 6875.0	0.0403		
15E	6895.0 - 7115.0	0.0395		

Output power is EIRP. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively.



GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Communications Commission By:

Nemko North America, Inc. 303 River Road Ottawa, Ontario, K1V 1H2 Canada

Date of Grant: 11/20/2024 Application Dated: 11/13/2024

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: Citizens Band End User Devices Notes: Mobile Computer

Grant Notes

FCC Rule Parts

Table with 5 columns: FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Tolerance, Emission Designator. Contains 5 rows of technical specifications.

Output power is EIRP. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively.



Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:

Nemko North America, Inc.  
303 River Road  
Ottawa, Ontario, K1V 1H2  
Canada

Date of Grant: 11/12/2024  
Application Dated: 11/11/2024

Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd.  
Suite 100  
Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C  
Name of Grantee: Elo Touch Solutions, Inc.  
Equipment Class: Part 15 Spread Spectrum Transmitter  
Notes: Mobile Computer

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2402.0 - 2480.0	0.0073		

Output power is conducted. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively



GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Communications Commission By:

Nemko North America, Inc. 303 River Road Ottawa, Ontario, K1V 1H2 Canada

Date of Grant: 11/20/2024 Application Dated: 11/12/2024

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: Digital Transmission System Notes: Mobile Computer

Grant Notes

FCC Rule Parts

15C 15C

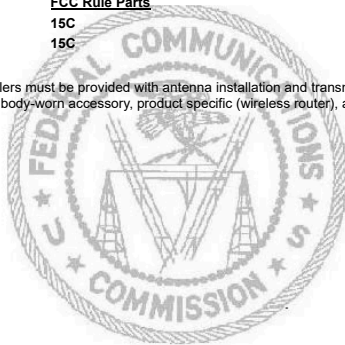
Frequency Range (MHZ) 2402.0 - 2480.0 2412.0 - 2462.0

Output Watts 0.0026 0.0685

Frequency Tolerance

Emission Designator

Output power is conducted. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively



TCB

TCB

GRANT OF EQUIPMENT  
AUTHORIZATION  
Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:

Nemko North America, Inc.  
303 River Road  
Ottawa, Ontario, K1V 1H2  
Canada

Date of Grant: 11/20/2024  
Application Dated: 11/11/2024

Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd.  
Suite 100  
Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C  
Name of Grantee: Elo Touch Solutions, Inc.  
Equipment Class: Part 15 Low Power Communication Device Transmitter  
Notes: Mobile Computer

Grant Notes

FCC Rule Parts  
15C

Frequency Range (MHZ)  
13.56 - 13.56

Output Watts

Frequency Tolerance

Emission Designator





GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Communications Commission By:

Nemko North America, Inc. 303 River Road Ottawa, Ontario, K1V 1H2 Canada

Date of Grant: 11/20/2024 Application Dated: 11/12/2024

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: Unlicensed National Information Infrastructure TX Notes: Mobile Computer

Grant Notes

FCC Rule Parts

Table with 4 columns: FCC Rule Parts, Frequency Range (MHZ), Output Watts, and Emission Designator. Rows include 15E for frequency ranges 5180.0-5240.0, 5260.0-5320.0, 5500.0-5720.0, and 5745.0-5825.0.

Output power is conducted. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively.



GRANT OF EQUIPMENT AUTHORIZATION Certification Issued Under the Authority of the Federal Communications Commission By:

Nemko North America, Inc. 303 River Road Ottawa, Ontario, K1V 1H2 Canada

Date of Grant: 11/20/2024 Application Dated: 11/12/2024

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWEMCM51C Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: PCS Licensed Transmitter held to ear Notes: Mobile Computer

Grant Notes

Table with columns: FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Tolerance, and Emission Designator. Includes a large circular watermark for the Federal Communications Commission.

27	3750.0 - 3750.0	0.84	2.5 PM	96M2G7D
27	3460.0 - 3590.0	0.056	2.5 PM	18M0G7D
27	3460.0 - 3590.0	0.044	2.5 PM	18M0W7D

Output power listed is ERP for below 1GHz, EIRP for above 1GHz. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. The highest reported SAR for head, body-worn accessory, product specific (wireless router), and specific exposure conditions are 0.71 W/kg, 0.85 W/kg, 0.90 W/kg, and 2.0 W/kg, respectively.

# Certificate of Conformity

## Certificat de conformité

IC: 10757B-EMCM51

CER205306

Certification number / Numéro de Certification

Certificate number / Numéro de Certificat

Issued to /  
Délivré à

Elo Touch Solutions, Inc  
670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

Specifications /  
Spécification

RSS-247 Issue 3  
RSS-248 Issue 3  
RSS-210 Issue 11

Hardware Version Identification Number /  
Numéro d'identification de la version du matériel

EMC-M51

Product Marketing Name /  
Marque du produit

Mobile Computer

Product description /  
Description du produit

Mobile Computer

Firmware Version Identification Number /  
Numéro d'identification de la version logiciel

N/A

Host Marketing Name /  
Nom de marque de l'hôte

N/A

Type of equipment /  
Genre de matériel

Other

Modular Approval /  
Approbation Modulaire

N/A

Emissions information /  
Information sur les émissions

Annex 1 / Annexe 1

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the Innovation, Science and Economic Development Canada issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by Innovation, Science and Economic Development Canada. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by Innovation, Science and Economic Development Canada. Nemko North America, Inc. is an SCC-accredited organisation.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'innovation, Sciences et Développement économique Canada et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'innovation, Sciences et Développement économique Canada. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par d'innovation, Sciences et Développement économique Canada. Nemko North America, Inc. est une organisation accréditée par le SCC.

**I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.**

**J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.**

Certified by /  
certifié par



Kevin Ma, Senior Technical Assessor

Date 11 / 11 / 2024

Day, jour / Month, mois / Year, année



# Certificate of Conformity

## Certificat de conformité

IC: 10757B-EMCM51C

CER205303

Certification number / Numéro de Certification

Certificate number / Numéro de Certificat

<b>Issued to / Délivré a</b>	Elo Touch Solutions, Inc 670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
<b>Specifications / Spécification</b>	RSS-247 Issue 3; August 2023; RSS-248 Issue 3; October 2024 RSS-210 Issue 3; June 2024; RSS-130 Issue 2; February 2019 RSS-132 Issue 4; January 2023; RSS-133 Issue 7; July 2024 RSS-139 Issue 4; September 2022; RSS-140 Issue 1; April 2018 RSS-192 Issue 5; July 2023; RSS-195 Issue 2; April 2014 RSS-197 Issue 1; February 2010; RSS-199 Issue 4; July 2023
<b>Hardware Version Identification Number / Numéro d'identification de la version du materiel</b>	EMC-M51C
<b>Product Marketing Name / Marque du produit</b>	Mobile Computer
<b>Product description / Description du produit</b>	Mobile Computer
<b>Firmware Version Identification Number / Numéro d'identification de la version logiciel</b>	N/A
<b>Host Marketing Name / Nom de marque de l'hôte</b>	N/A
<b>Type of equipment / Genre de matériel</b>	other
<b>Modular Approval / Approbation Modulaire</b>	N/A
<b>Emissions information / Information sur les émissions</b>	Annex 1 / Annexe 1

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the Innovation, Science and Economic Development Canada issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by Innovation, Science and Economic Development Canada. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by Innovation, Science and Economic Development Canada. Nemko North America, Inc. is an SCC-accredited organisation.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'innovation, Sciences et Développement économique Canada et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'innovation, Sciences et Développement économique Canada. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par d'innovation, Sciences et Développement économique Canada. Nemko North America, Inc. est une organisation accréditée par le SCC.

**I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.**

**J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.**

**Certified by /  
certifié par**

Vina Kerai, Certification Manager, TCB

**Date 24 / 11 / 2024**

Day, jour / Month, mois / Year, année

# Certificate of Construction Type

Nemko North America, Inc., operating as a Conformity Assessment Body (CAB ID Number: 218) with respect to Japan, hereby declares that the product detailed below has been granted type certification in accordance with the provisions of Article 38-24(1) of the Japan Radio Law (Law No. 131, 1950 and Amendments)

**Certificate Number:** CER204546

**Certification Number:** R 218-240454

**Certificate Holder:** Elo Touch Solutions, Inc  
670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA

**Manufacturer:** Elo Touch Solutions, Inc  
670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA

**Model(s):** EMC-M51

**Product Description:** Mobile Computer

**Type of Application:** New

**Standards used for Testing:** MIC Notice No. 88 Appendix No. 43, 45  
ARIB STD-T66

**Test Report Number(s):** 2390782R-RF-JP-P43V02, Issue date: September 14, 2024  
2390782R-RF-JP-P43V04, Issue date: September 14, 2024  
2390782R-RF-JP-P45V02, Issue date: September 14, 2024  
2390782R-RF-JP-P45V03, Issue date: September 14, 2024  
2390782R-RF-JP-P45V04, Issue date: September 14, 2024

**Antenna Information:** Internal PIFA Antenna  
2.4G Max Gain: -0.1 dBi  
5G Max Gain: 0.05 dBi  
6G Max Gain: 0.40 dBi

**Hardware Version:** V1.06

**Software Version:** MT912NoGms\_EQ000\_2774.F53FD5F.FD20B6E.6EAD44F\_240130\_100\_V01\_T23

**Certificate Version:** 2.0

**Authorized by**



Vina Kerai, Certification Manager, TCB

**Date** October 22, 2024

## Masahiro Tsumura

---

差出人: aplimgr@vcci.jp  
送信日時: 2024年11月14日木曜日 9:53  
宛先: Masahiro Tsumura  
件名: [VCCI Registration of Product Conformity]Certification of report

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### Registration of Product Conformity

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Registration of Product Conformity has been accepted.

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Report No.:2024113675

Acceptance No.:2024079605

<Contact person's information>

<Member's profile>

Member number:797

Company name:タッチパネル・システムズ株式会社

Address:神奈川県横浜市港北区新横浜 1-19-20 SUN HAMADA BLDG2F <Responsible person>

Department:製品企画部

Name:津村 昌弘

E-mail:masahiro.tsumura@elotouch.com

<Contact person>

Address:横浜市港北区新横浜 1-19-20SUN HAMADA BLDG.2F

Department:製品企画部

Name:津村

Phone:045-478-2161

FAX:045-478-2180

E-mail:masahiro.tsumura@elotouch.com

<Recipient of Acceptance Notice>

Department:製品企画部

E-mail:masahiro.tsumura@elotouch.com

Applied VCCI Rule:VCCI 32-1

Reporting type:new

General Name of Equipment:モバイル PC

Classification of Equipment and classification code:Class B / Classification code c2 Product type  
(Model No.):Elo Touch Solutions  
EMC-M51  
<Brand(1)>

Name of the brand supplier:  
Member number of the supplier:  
Product type (Model No.) of the branded Equipment:  
<Brand(2)>

Name of the brand supplier:  
Member number of the supplier:  
Product type (Model No.) of the branded Equipment:  
<Brand(3)>

Name of the brand supplier:  
Member number of the supplier:  
Product type (Model No.) of the branded Equipment:  
<Brand(4)>

Name of the brand supplier:  
Member number of the supplier:  
Product type (Model No.) of the branded Equipment:  
<Brand(5)>

Name of the brand supplier:  
Member number of the supplier:  
Product type (Model No.) of the branded Equipment:  
Member number of a test laboratory:1153 DEKRA Testing and Certification Co., Ltd.  
Name of the testing laboratory:  
<Measurement facility registration number> 1. Radiated EMI measurement below 1GHz facility:R-20217 (10m) 2. Radiated EMI measurement above 1GHz facility:G-10041 (3m) 3. Mains port conducted EMI measurement facility:C-20173 4. Wired network port and other port Conducted EMI measurement facility:T-11531 5. Article 15 registered laboratory:  
6. This compliance verification test was conducted at the installation site of users.:  
Date of testing:2024-04-02 2024-07-06  
Serial No. of the test report:2390782R-IT-JP-P01V01 Reason for addition/modification:

VCCI comment:  
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VCCI Council

URL :

<https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.vcci.jp%2F&data=05%7C02%7Cmasahiro.tsumura%40elotouch.com%7C2c997872ac3340c37c9408dd0446b036%7C5a057f852a504ea9b91e4e8ec4b2e549%7C1%7C0%7C638671423848044243%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMilslkFOljoiTWFpbCIsIlIdUljoyfQ%3D%3D%7C0%7C%7C%7C&sdata=pcpwLjcBaaSYqR6r%2BTMnBlzAzZr9Kc6FvkX4yUhe7Xl%3D&reserved=0>

E-mail : [aplimg@vcci.jp](mailto:aplimg@vcci.jp)

Rad. 2024824652  
Cod. 4000  
Bogotá D.C.

**CRC**

Radicación: 2024534294  
Fecha: 5/11/2024 14:58:02  
Proceso: 4000 RELACIONAMIENTO CON  
AGENTES

Señora:  
**ROSA PONS**  
**WORLD COMPLIANCE**  
Email: Info@worldcompliance.eu

**REF. Consulta de pertinencia de homologación del equipo terminal marca ELO modelo EMC-M51 fabricado por ELO TOUCH SOLUTIONS, INC**

Respetada Señora,

La Comisión de Regulación de Comunicaciones (CRC) recibió su comunicación con radicado 2024824652, mediante la cual consulta sobre la pertinencia de homologación del equipo terminal **ELO** modelo **EMC-M51**, fabricado por la empresa **ELO TOUCH SOLUTIONS, INC**.

Inicialmente le informamos que la Sección I del Capítulo I del Título VII de la Resolución CRC 5050 de 2016, por la cual se compilan las Resoluciones de Carácter General vigentes expedidas por la Comisión de Regulación de Comunicaciones, establece las condiciones generales de homologación de equipos terminales y certificados de conformidad. En la citada normativa se determina que los equipos terminales sujetos al proceso de homologación son los Equipos Terminales Móviles - ETM.

De acuerdo con el Título I de la Resolución CRC 5050 de 2016, la definición de ETM se encuentra establecida así:

**Equipo Terminal Móvil (ETM):** *Dispositivo que posea un IMEI (Identificador Internacional de Equipo Móvil), por sus siglas en inglés, o aquel identificador que cumpla una función equivalente a éste, y por medio del cual se accede a las redes de telecomunicaciones móviles para la prestación de servicios de comunicaciones de voz y/o datos.*

Para el caso en concreto, una vez revisada la información remitida del dispositivo marca **ELO** modelo **EMC-M51**, fabricado por la empresa **ELO TOUCH SOLUTIONS, INC**, la Comisión de Regulación de Comunicaciones (CRC) concluye que el mencionado dispositivo no se encuentra enmarcado dentro de la categoría de Equipo Terminal Móvil (ETM), toda vez que, no hace uso de las redes de acceso móvil bajo los estándares técnicos exigibles en la vigente regulación, razón por la cual, no requiere adelantar el trámite de homologación en los términos definidos en el Título VII de la Resolución CRC 5050 de 2016.

Adicionalmente, le informamos que el dispositivo marca **ELO** modelo **EMC-M51** fue incluido en la base de datos de registro de equipos que no precisan de la homologación en Colombia.

Continuación: Consulta de pertinencia de homologación del equipo terminal marca ELO modelo EMC-M51  
fabricado por ELO TOUCH SOLUTIONS, INC

Página 2 de 2

En los anteriores términos damos respuesta a su consulta y quedamos atentos a cualquier aclaración adicional que requiera.

Cordial Saludo,

**HUGO HERNÁN ROMERO GARZÓN**  
Coordinador de Relacionamento con Agentes (E)

Rad. 2024824781, 2024824935, 2024824941,  
2024825138, 2024825811

Cod. 4000  
Bogotá D.C.

CRC

Radicación: 2024536122  
Fecha: 22/11/2024 12:29:22 P. M.  
Proceso: 4000 RELACIONAMIENTO CON  
AGENTES

Señora:

**ROSA PONS**  
**WORLD COMPLIANCE**

Email: [Info@worldcompliance.eu](mailto:Info@worldcompliance.eu)

## **REF. Consulta de pertinencia de homologación del equipo terminal marca ELO modelo EMC-M51C fabricado por ELO TOUCH SOLUTIONS, INC**

Respetada Señora,

La Comisión de Regulación de Comunicaciones (CRC) recibió su comunicación con radicado 2024825811, mediante la cual consulta sobre la pertinencia de homologación del equipo terminal **ELO** modelo **EMC-M51C**, fabricado por la empresa **ELO TOUCH SOLUTIONS, INC**.

Inicialmente le informamos que la Sección I del Capítulo I del Título VII de la Resolución CRC 5050 de 2016, por la cual se compilan las Resoluciones de Carácter General vigentes expedidas por la Comisión de Regulación de Comunicaciones, establece las condiciones generales de homologación de equipos terminales y certificados de conformidad. En la citada normativa se determina que los equipos terminales sujetos al proceso de homologación son los Equipos Terminales Móviles - ETM.

De acuerdo con el Título I de la Resolución CRC 5050 de 2016, la definición de ETM se encuentra establecida así:

**Equipo Terminal Móvil (ETM):** *Dispositivo que posea un IMEI (Identificador Internacional de Equipo Móvil), por sus siglas en inglés, o aquel identificador que cumpla una función equivalente a éste, y por medio del cual se accede a las redes de telecomunicaciones móviles para la prestación de servicios de comunicaciones de voz y/o datos.*

Para el caso en concreto, una vez revisada la información remitida del dispositivo marca **ELO** modelo **EMC-M51C**, fabricado por la empresa **ELO TOUCH SOLUTIONS, INC**, la Comisión de Regulación de Comunicaciones (CRC) concluye que el mencionado dispositivo no se encuentra enmarcado dentro de la categoría de Equipo Terminal Móvil (ETM), toda vez que, no hace uso de las redes de acceso móvil bajo los estándares técnicos exigibles en la vigente regulación, razón por la cual, no requiere adelantar el trámite de homologación en los términos definidos en el Título VII de la Resolución CRC 5050 de 2016.

Adicionalmente, le informamos que el dispositivo marca **ELO** modelo **EMC-M51C** fue incluido en la base de datos de registro de equipos que no precisan de la homologación en Colombia.

Continuación: Consulta de pertinencia de homologación del equipo terminal marca ELO modelo EMC-M51C      Página 2 de 2  
fabricado por ELO TOUCH SOLUTIONS, INC

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Finalmente, es importante mencionar que en caso tal de que el equipo terminal haga uso de las redes móviles del país, a través de voz y datos quedará expuesto para un posible bloqueo por los Proveedores de Redes y Servicios de Telecomunicaciones Móviles -PRSTM por no homologación y deberá surtir dicho trámite ante esta Comisión.

En los anteriores términos damos respuesta a su consulta y quedamos atentos a cualquier aclaración adicional que requiera.

Cordial Saludo,

**HUGO HERNÁN ROMERO GARZÓN**  
Coordinador de Relacionamiento con Agentes (E)