MPE REPORT

Manufacturer: Current Products Corp.

1995 Hollywood Avenue

Pensacola, Florida 32505 USA

Applicant: Same as Above

Product Name: E-Wand™

**Product Description:** A retrofit device used to automate vertical and horizontal

window blinds.

Model: CP180335E\_01

FCC ID: 2AJXX100619

**Testing Commenced:** 2021-01-19

**Testing Ended:** 2021-08-18

Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem

it non-compliant.

Standards:

KDB447498

042216

Report Number: F2P24969A-05E Page 1 of 8 Issue Date: 2022-02-11



**Applicant: Current Products Corp.** 

Model: CP180335E\_01

**Evaluation Conducted by:** 

Julius Chiller, EMC/Wireless Engineer

flindhold

Report Reviewed by:

Ken Littell, Vice President of EMC

F2 Labs 26501 Ridge Road Damascus, MD 20872 Ph 301.253.4500 F2 Labs 16740 Peters Road Middlefield, OH 44062 Ph 440.632.5541 F2 Labs 8583 Zionsville Road Indianapolis, IN 46268 Ph 317.610.0611

This test report may be reproduced in full; partial reproduction only may be made with the written consent of F2 Labs. The results in this report apply only to the equipment tested.

Report Number: F2P24969A-05E Page 2 of 8 Issue Date: 2022-02-11

Applicant: Current Products Corp. Model: CP180335E\_01

# **TABLE OF CONTENTS**

Section	Title	Page
1	ADMINISTRATIVE INFORMATION	4
2	SUMMARY OF TEST RESULTS/MODIFICATIONS	5
3	ENGINEERING STATEMENT	6
4	EUT INFORMATION AND DATA	7
5	RF EXPOSURE FOR DEVICE >20cm FROM HUMAN	8

Page 3 of 8 Report Number: F2P24969A-05E Issue Date: 2022-02-11

**Applicant: Current Products Corp.** 

Model: CP180335E\_01

## 1 ADMINISTRATIVE INFORMATION

## 1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

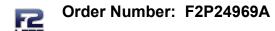
## 1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

# 1.4 Document History

<b>Document Number</b>	Description	Issue Date	Approved By
F2P24969A-05E	First Issue	2022-02-11	K. Littell

Report Number: F2P24969A-05E Page 4 of 8 Issue Date: 2022-02-11



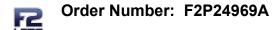
Applicant: Current Products Corp. Model: CP180335E\_01

#### 2 **SUMMARY OF TEST RESULTS**

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment
None

Page 5 of 8 Report Number: F2P24969A-05E Issue Date: 2022-02-11



**Applicant: Current Products Corp.** 

Model: CP180335E\_01

## 3 ENGINEERING STATEMENT

This report has been prepared on behalf of Current Products Corp. to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.

Report Number: F2P24969A-05E Page 6 of 8 Issue Date: 2022-02-11



Order Number: F2P24969A Applicant: Current Products Corp.

Model: CP180335E\_01

## 4 EUT INFORMATION AND DATA

# 4.1 Equipment Under Test:

Product: Window Controller Model: CP180335E\_01 Serial No.: None Specified FCC ID: **2AJXX100619** 

## 4.2 Trade Name:

Current Products Corp.

# 4.3 Power Supply:

Battery-Operated (9VDC)

# 4.4 Applicable Rules:

• KDB447498

# 4.5 Equipment Category:

Radio Transmitter-DTS

#### 4.6 Antenna:

Internal 5.19dBi

## 5.5 Accessories:

Device	Manufacturer	Model Number	Serial Number
Laptop*	Dell	Latitude 7490	10075
Programmer	Silicon Labs	PCB4001	Rev. 03

<sup>\*</sup>Indicates F2 Labs-supplied equipment.

#### 4.8 Test Item Condition:

The equipment to be tested was received in good condition.

042216

Report Number: F2P24969A-05E Page 7 of 8 Issue Date: 2022-02-11

Order Number: F2P24969A **Applicant: Current Products Corp.** 

Model: CP180335E 01

#### 5 RF EXPOSURE FOR DEVICE > 20cm FROM HUMAN

5.1 **Requirements:** Distance used is 20cm

> Limit: 300-1500 MHz = f/1500

> > $1,500-100,000 \text{ MHz} = 1.0 \text{mW/cm}^2$

Formula used for result: Results taken from the test reports F2P24969-01E

and F2P24969-02E

E.I.R.P. 4 π R<sup>2</sup>

Results: E.I.R.P. = 6.09 mW For WiFi

E.I.R.P = 0.134 mW for 433 MHz Transmitter

 $\frac{6.09 \text{ mW}}{4 \text{ m R}^2} = \frac{6.09 \text{ mW}}{5026.55} = 0.0012 \text{ mW/cm}^2$ 

 $\frac{0.134\text{mW}}{4 \text{ m R}^2} = \frac{0.134\text{mW}}{5026.55} = 0.00003 \text{ mW/cm2}$ 

MPE for 433 MHz band is 0.00003 mW/cm2

Limit =  $0.30 \text{ mW/cm}^2$ 

Ratio = 0.0001

MPE for 2.4 GHz WiFi is 0.0012 mW/cm2

 $Limit = 1 \text{ mW/cm}^2$ Ratio = 0.0012

Combined Ratio = **0.0013** 

Combined Ratio Limit = 1

Report Number: F2P24969A-05E Page 8 of 8 Issue Date: 2022-02-11