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**16740 Peters Road**  
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**United States of America**  
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## **MPE REPORT**

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**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**



Order Number: F2P24969A

Applicant: Current Products Corp.

Model: CP180335E\_01

**Evaluation Conducted by:**

Julius Chiller, EMC/Wireless Engineer

**Report Reviewed by:**

Ken Littell, Vice President of EMC

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## 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

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



## 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



**Order Number: F2P24969A**

**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.



#### 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

*\*Indicates F2 Labs-supplied equipment.*

##### 4.8 Test Item Condition:

The equipment to be tested was received in good condition.

**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 MHz = 1.0mW/cm<sup>2</sup>

**Formula used for result:** Results taken from the test reports F2P24969-01E and F2P24969-02E

$$\frac{\text{E.I.R.P.}}{4 \pi R^2}$$

**Results:** E.I.R.P. = 6.09 mW For WiFi  
E.I.R.P = 0.134 mW for 433 MHz Transmitter

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

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

MPE for 433 MHz band is 0.00003 mW/cm<sup>2</sup>  
Limit = 0.30 mW/cm<sup>2</sup>  
Ratio = 0.0001

MPE for 2.4 GHz WiFi is 0.0012 mW/cm<sup>2</sup>  
Limit = 1 mW/cm<sup>2</sup>  
Ratio = 0.0012

Combined Ratio = **0.0013**

**Combined Ratio Limit = 1**