F2 Labs
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MPE REPORT

Manufacturer:	**Chandler Systems, Inc.** **710 Orange Street** **Ashland, Ohio 44805 USA**
Applicant:	**Same as Above**
Product Name:	**Legacy View Valve**
Product Description:	The Legacy View Valve controls water softening and water filtering appliances. The valve controller can operate several different models of softeners and filters and gives the user the ability to change settings and view information about water treated by the appliance. The Legacy View Valve can be connected to via Bluetooth using a Google or Apple App, giving the user a convenient user interface to interact with.
Model:	**EVB-034**
FCC ID:	**SWP-EVB-034**
IC:	**31769-EVB034**
Testing Commenced:	2023-11-29
Testing Ended:	2024-02-13
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**
- **FCC 1.1310**
- **Safety Code 6**
- **RSS-102**

Evaluation Conducted by:

Julius Chiller, Senior Wireless Project Engineer

Report Reviewed by:

Ken Littell, Vice President of Operations

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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.

Site description and attenuation data are on file with the Certification and Engineering Bureau, Industry Canada, Site Number 4730B.

1.2 Measurement Procedure:

All measurements were performed according to:

- KDB558074
- FCC 15.247
- RSS-247

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P30963A-04E	First Issue	2024-02-13	K. Littell

2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498 FCC 1.1310 Safety Code 6 RSS-102	Complies

Modifications Made to the Equipment
None

3 ENGINEERING STATEMENT

This report has been prepared on behalf of Chandler Systems, Inc. to provide documentation for the testing described herein. This equipment has been tested and calculations were found to comply with KDB447498, FCC 1.1310, Safety Code 6 and RSS-102. 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: Legacy View Valve
Model: EVB-034
Serial No.: 000001
FCC ID: SWP-EVB-034
IC: 31769-EVB034

4.2 Trade Name:

Chandler Systems, Inc.

4.3 Power Supply:

Chandler Systems model 2001X125

4.4 Applicable Rules:

- KDB447498
- FCC 1.1310
- Safety Code 6
- RSS-102

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

Integral

4.7 Accessories:

N/A

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

FCC	
Limit:	1mW/cm^2
Formula used for result:	$\frac{\text{E.I.R.P.}}{4\ \pi\ R2}$
Results:	E.I.R.P. = 69.82mW 69.82mW at the 2480 MHz High Channel (highest) $\frac{69.82mW}{4\ \pi\ R^2} = \frac{69.82mW}{5026.55} = 0.014mW/cm2$

IC	
Limit:	5.47W/m^2
Formula used for result:	$\frac{\text{E.I.R.P.}}{4\ \pi\ R2}$
Results:	E.I.R.P. = 69.82mW 69.82mW at the 2480 MHz High Channel (highest) $\frac{69.82mW}{4\ \pi\ R^2} = \frac{69.82mW}{5026.55} = 0.14\ W/m^2$