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CERTIFICATION TEST REPORT

Manufacturer: Heat Watch LLC
818 Sixth Avenue, Suite 4N
New York, New York 10001 USA

Applicant: Same as Above

Product Name: Heat Watch Temperature Sensor

Product Description: Product is battery-powered and takes temperature from various spaces in a building. It relays this temperature to a Heat Watch gateway module, so the control knows the space temperatures and can better control the boiler.

Operating Voltage/Frequency: Battery-Operated (3.6VDC)

Model: V5.0

FCC ID: 2AQX2-HWSEN915

Testing Commenced: June 27, 2018

Testing Ended: June 28, 2018

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



Order Number: F2LQ10581A

Client: Heat Watch LLC

Model: V5.0

Report Constructed by:

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Report Reviewed by:

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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
F2LQ10581A-03E	First Issue	Nov. 9, 2018	K. Littell



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498 FCC 1.1310	Complies

Modifications Made to the Equipment
None



3 ENGINEERING STATEMENT

This report has been prepared on behalf of Heat Watch LLC to provide documentation for the testing described herein. This equipment has been tested and calculations were found to comply with KDB447498 and the limits in FCC 1.1310. 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: Heat Watch Temperature Sensor
Model: V5.0
Serial No.: None Specified
FCC ID: **2AQX2-HWSEN915**

4.2 Trade Name:

Heat Watch LLC

4.3 Power Supply:

Battery-operated (3.6VDC)

4.4 Applicable Rules:

KDB447498
FCC 1.1310

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

Integral Antenna, 3dBi gain

4.7 Accessories:

N/A



5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements:

Limit: 0.61mW/cm²

Formula used for result: $\frac{E.I.R.P.}{4 \pi R^2}$

Results: E.I.R.P. = 130.01mW

$$\frac{130.01\text{mW}}{4 \pi R^2} = \frac{130.01\text{mW}}{5026.55} = 0.0259\text{mW/cm}^2$$