

## Watts Radiant SunTouch Press Release Floor Heating Mats EMF Test results

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**Watts Radiant**, manufacturer of **SunTouch** electric radiant floor heating, announced the 1st *independent* third party test results for electromagnetic field levels of electric radiant floor heating systems.

Known as **EMF** or Electro Magnetic Field, this form of radiation is produced by every alternating current electrical appliance including electric radiant floor heating elements. "Because every manufacturer of these products recommend they be installed in close proximity to human beings for extended periods of time, the measurement and disclosure of human exposure is overdue", according to Mike Chiles, General Manager of Watts Radiant. The new test is known as "REET" or Radiant Electric Emissions Test and it was developed by Watts Radiant and the ETL Semko division of [Intertek](#), the global leader in the testing, inspection, and certification of products for manufacturers and retailers around the world.

The test protocol by ETL Semko specifies exact descriptions and model numbers for test equipment, test configuration and test procedures for twenty points of measurement across a grid that typically covers a four square foot area of warm surface. Those point measurements are averaged together to yield a radiation value for each system for both electric and magnetic field radiation. Health care concerns have focused on the magnetic, or H-field, measured in milligauss or mG.

The first series of test results for Watts Radiant products and those from other manufacturers showed a startling variation in H-field exposure. In one notable head-to-head comparison of electric mats of similar size and amp rating, a well known competitor's product emitted 462 times the H-field radiation as the Watts Radiant SunTouch Floor Heat Mat.

"We've known for some time that our patented helical twisted heating elements reduce EMF to almost immeasurable levels, but this is the first independent confirmation of this", according to Mr. Chiles. "Until today, there has been no objective standard for measuring H-field exposure, but now consumers will be able to make informed choices". Consumers should demand such verification of Zero EMF claims.

According to the National Institute of Environmental Health Sciences: "Most people in the United States are exposed to magnetic fields that average less than 2 milligauss (mG), although individual exposures vary." <http://www.niehs.nih.gov/emfrapid/booklet/youremf.htm#define>

Selecting REET results from five electric radiant floor products that cover 35-40 square feet of heated area, the Watts Radiant mat emits an mG value that is 20 times lower than the average US exposure.

Watts Radiant SunTouch:	5% of the U.S. average exposure
Product A:	1050% of the U.S. average exposure
Product B:	1125% of the U.S. average exposure
Product C:	1775% of the U.S. average exposure
Product D:	2300% of the U.S. average exposure

Test results for Watts Products and limited results for competing products are available from Dan Chiles, Vice President of Marketing. [dchiles@wattsradiant.com](mailto:dchiles@wattsradiant.com)

Watts Radiant is North America's leading manufacturer of hydronic and electric radiant floor heating systems. The company is located in Springfield, Missouri and is a subsidiary of Watts Water Technologies of Andover, Ma.

SunTouch Floor Heating Mats are distributed by [Warm Your Floor](#), the Electric Radiant Floor Heating Specialist whose huge inventory (every size in stock, every day) and knowledgeable sales & technical staff supports customers throughout North America. Visit their [Website](#) or call Toll-Free 1 – 866 – 558 – 3369.