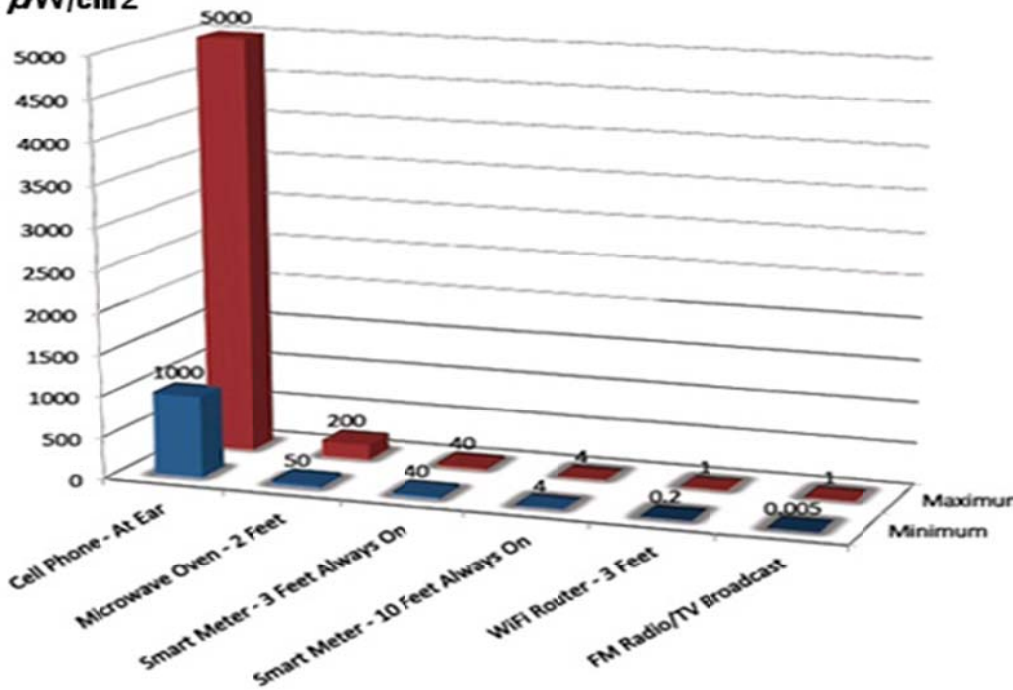


Advanced Metering Infrastructure and Health

In some areas of the U.S., people have voiced concerns over the potential health effects of smart meters and other wireless technology. Tantalus takes customer concerns very seriously and, after deep analysis of the issue, we are confident that smart meters and other advanced metering infrastructure (AMI) present no measurable health effects.

RF Frequency Levels $\mu\text{W}/\text{cm}^2$



Indeed, due to the efficiency gains and pollution reductions made available through smart grid technology, the smart grid has a clear positive health impact. Air and water pollution from some forms of power production may lead to health effects including asthma, heart disease, and mercury-related illnesses. Smart grid technology, including smart meters, can help reduce energy use and hence reduce pollution.

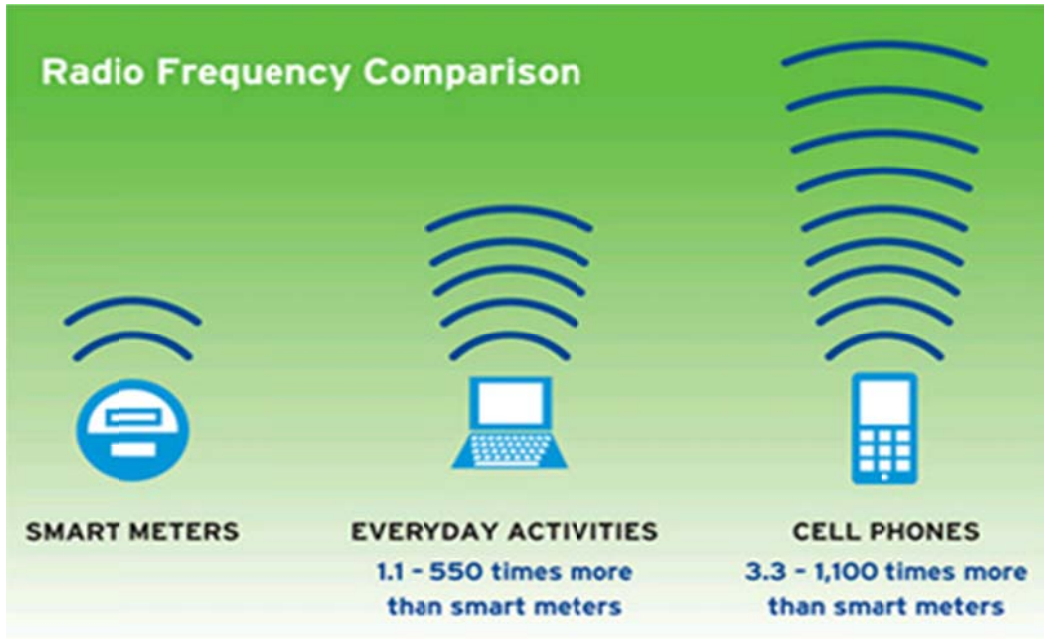
A raft of reports and analyses vouch for the safety of smart meters and AMI. Please go to http://www.tantalus.com/grid_health.php for more information such as reports on the following. Note - above link is broken. You must re-type the entire address.

- Health Impacts of Radio Frequency from Smart Meters
- No Health Threat from Smart Meters
- Possible Health Effects of Exposure to Residential Electric and Magnetic Fields
- Maine Center for Disease Control Report

Numerous government and independent agencies are concluding that there are no health hazards such as radiation from smart meters.

Finally, smart meters' radio frequency (RF) emissions are a whisper compared to a roar from cell and cordless phones, microwaves, wireless routers, laptops and even blow dryers. Typical daily exposure to RF from cell phones is up to 10,000 times the intensity of that from smart meters. Unlike cell phones however, smart meters only actively transmit signals for a very small fraction (between .01% and 5%) of the day, and at several orders of magnitude lower energy levels. The charts below illustrate typical RF emissions from a smart meter.

Tantalus takes the health and comfort of its customers very seriously, and has weighed the matter in depth. Based on overwhelming evidence, we are convinced that AMI is not only safe, but that it presents a clear net health benefit to the communities we serve.



Tantalus Digital RF Signal Compared to Other Sources

