



The above chart illustrates comparative radiofrequency (RF) field values obtained during the Vermont Department of Public Service smart meter project. The green columns represent the maximum measured (peak) RF field obtained at one foot from the source (except for the FM radio broadcast and the interior residential smart meter measurements). Because some RF sources only operate intermittently, the red columns represent the time-averaged value of RF field that would be experienced at the same point where the peak value was obtained. In the case of microwave ovens and FM radio broadcast, the peak and average values are the same due to the fact that these sources, when active, operate continuously. Spatial averaging, which is normally used in RF exposure compliance studies and which will reduce the above indicated values, has not been applied in this graphic.

The highest contrived data transmission from a smart meter corresponded to a transmission time of 64 seconds during a 30-minute measurement period. This meter was used for relaying data from some 554 other smart meters.

Actual RF exposure is related to proximity to the source and the amount of time spent at that location.