

**An Overview of Radiofrequency/Microwave  
Radiation Studies Relevant to Wireless  
Communications and Data**

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by

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## Introduction

Scientific certainty about the potential for health effects from low intensity RF/MW radiation is not necessary for wise public health decision-making, as long as research continues to identify what, if any, specific exposure conditions may contribute to disease.

The basis for decision-making about a relationship between electromagnetic fields radiofrequency and microwave radiation and adverse health effects at low intensity exposures rests on two key areas. The first is the “weight of the scientific evidence” pointing to a relationship between RF/MW and illness. The scientific evidence needs to be reported to decision-makers in a format that is concise, understandable and accurate.

The second is definition of the basis on which the evidence is judged to be sufficient to take interim or permanent public health steps to reduce risk. Conclusive scientific evidence should not be implicitly or explicitly set as the goal required before any action can be taken to limit public exposure to RF/MW from wireless communications. Given the potential for a very large world-wide public health impact if even a small health risk is present, interim public health actions should be proportionately triggered to the weight of scientific evidence as it grows in support of adverse health effects at low-intensity exposure levels.

This paper summarizes key scientific papers reporting bioeffects and potentially adverse health effects from exposure to RF/MW radiation. In the effort to bring understandable scientific information on this subject to the public and decision-makers, this paper provides text summaries of significant articles and their relevant bioeffects, and also charts titled “Some Reported Bioeffects from Radiofrequency and Microwave Radiation” that may be used as overhead graphics in public presentations. The intent of this paper is to provide information for public discussion to guide decision-making about wireless