



# Wireless Networks and Your Health: THE FACTS

## FACTS

- Wireless devices and facilities must adhere to radio frequency (“RF”) emission guidelines established and enforced by the Federal Communications Commission (“FCC”).

*See FCC, Second Memorandum Opinion and Order and Notice of Proposed Rulemaking, 12 FCC Rcd 13494*

- Under federal law, state and local governments may not regulate the placement, construction, and modification of wireless facilities on the basis of environmental effects of RF emissions if the facilities comply with FCC regulations governing RF emissions.

*47 U.S.C. § 332(c)(7)(B)(iv)*

- RF emissions from wireless facilities generally are significantly lower than permitted. According to recent studies, “RF exposures from base stations range from 0.002% to 2% of the levels of international exposure guidelines.”

*World Health Organization, Electromagnetic Fields and Public Health, <http://www.who.int/mediacentre/factsheets/fs304/en/>*

- There is no credible scientific evidence that RF emissions from wireless base stations and wireless networks have adverse health or environmental effects.

## CONCLUSIONS

- The World Health Organization has conducted a review of all available studies and concluded that “there is no convincing scientific evidence that the weak RF signals from base stations and wireless networks cause adverse health effects.”

*World Health Organization, Electromagnetic Fields and Public Health, <http://www.who.int/mediacentre/factsheets/fs304/en/>*

- The U.S. Food and Drug Administration has determined that based on all available evidence, there is “no increased health risk due to radio-frequency (RF) energy.”

*U.S. Food and Drug Administration, Consumer Updates: No Evidence Linking Cell Phone Use to Risk of Brain Tumors, <http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm212273.htm>*

- The National Cancer Institute has concluded that despite the rise in cell phone use, brain cancer rates did not increase between 1987 and 2005.

*U.S. Food and Drug Administration, Consumer Updates: No Evidence Linking Cell Phone Use to Risk of Brain Tumors, <http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm212273.htm>*

- The FCC has concluded that “[t]here is no scientific evidence to date that proves that wireless phone usage can lead to cancer or a variety of other health effects, including headaches, dizziness or memory loss.”

*FCC, Office of Engineering and Technology, RF Safety FAQs, <http://www.fcc.gov/oeet/rfsafety/rf-faqs.html#Q6>*