

WiMAX

AND HEALTH



**Mobile Manufacturers
Forum**



What is WiMAX™?

WiMAX™ is a wireless metropolitan-area network standard. WiMAX is primarily aimed at making broadband network access widely available and is an alternative to cables and digital subscriber lines (or DSL). WiMAX networks enable a variety of options for broadband connections – including fixed and mobile connections.

Safety of radio waves

The use of radio waves (also known as radiofrequency electromagnetic fields) is a common part of our everyday lives and provides the benefits and enjoyment of television and radio as well as an increasing range of wireless communications services. Also WiMAX networks and WiMAX enabled personal devices emit low levels of radio waves for information transmission. The safety of radio waves has been extensively studied for more than 50 years. National and international scientific expert panels, government agencies, standard-setting organisations and health authorities regularly review this large and growing body of research. All these scientific reviews have led to the the same general scientific conclusion: that there is no established evidence of any adverse health effects from exposure to radio waves when present at or below the limits applied to wireless communications systems.

Safety limits for exposure to radio waves

Radio waves emitted by WiMAX systems are subject to the same standards that are applied to radio waves from other radio products such as mobile phones and their base stations.

The World Health Organization (WHO) recommends the standards, which governments and health agencies around the world have adopted. The standards establish exposure limits to which products must comply and include substantial margins of safety to protect consumers and the general public.



What about children?

The health and safety of children is of concern to all of us. Devices using WiMAX technology are subject to the safety standards endorsed by the WHO and other health agencies. Those standards take the safety of everyone, including children, into account by providing substantial safety margins.

WiMAX Networks and WiMAX enabled personal devices comply with RF exposure requirements

WiMAX networks and WiMAX enabled personal devices are required to be evaluated to ensure that they conform to the RF emission safety limits adopted by agencies around the world. These evaluations are done in accordance with the various regulations and guidelines adopted or recommended by regulatory agencies around the world.



That means that all WiMAX products are designed and tested to ensure that they conform to both internationally recommended safety limits, and to the regulations adopted around the world.

Where can I obtain further information?

To find more information, please visit any of the following websites:

- WHO [www.who.int/peh-emf]
- ICNIRP [www.icnirp.de]
- Mobile Manufacturers Forum [www.mmfai.org]
- WiMAX Fórum [www.wimaxforum.org]





The Mobile Manufacturers Forum is an international association of radio communications equipment manufacturers.

For more information, please visit the MMF's website at www.mmfai.org.

The WiMAX Forum® is an industry-led, nonprofit organization formed to certify and promote the compatibility and interoperability of broadband wireless products based upon the harmonized IEEE 802.16/ETSI HiperMAN standard.



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