



No reservations for the radio-based readout system

The Techem radio system – it's an affordable luxury

As proven in a scientific examination, the Techem radio system has no influential effects whatsoever on human organisms and carries no health risks.

Modulated microwaves are discussed avidly in the press due to their suspected healthrelevant effects. An expertise was prepared to answer the following questions: Is the Techem radio system subject to the regulations of national or international protective legislation and do the microwaves which are transmitted meet the prescribed limit values?

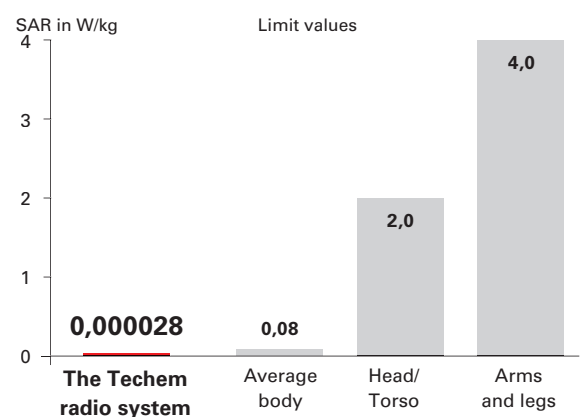
Excerpts from the expertise:

“From the valid regulations for a frequency of 868 MHz and local exposure of the body, SAR values determined over a period of 6 minutes of 2 W/kg for the head and the torso and 4 W/kg for the extremities are prescribed as the lowest limit values. These base limit values and those in the stringent Swiss regulations are clearly undercut by the Techem system with its SAR of 0.000028W/kg.” A size difference comparable to a grain of sand in the desert.

“Based upon current knowledge, no signs whatsoever for any influence or even a danger to health can be derived from the microwaves emanating from the Techem radio system 868. Even if the latest standard of knowledge is taken into account, no reservations whatsoever exist from the viewpoint of its electromagnetic environmental compatibility to use Techem radio system 868 in both living spaces and in public or job areas.”

Aachen, June 6th, 2004 Prof. Dr. J. Silny
 Research centre for electromagnetic environmental compatibility (femu)
 University clinic RWTH Aachen, Pauwelsstraße 30, D-52074 Aachen,
 Germany

Examination of the electro-magnetic environmental compatibility of the Techem radio system.



Limit values in accordance with W/kg 26. BISchV [German Federal Ordinance on the Implementation of the Federal Immission Control Act], BGV B11 [Electromagnetic fields in the human environment] and according to the recommendations of the EU Council Specific Absorption Rate (SAR) in W/kg

Source: Examination by femu [Research centre for electromagnetic environmental compatibility], RWTH [Technical University] in Aachen