At what intensity of exposure have biological/health effects been reported?

Human studies (8 publications)

Effects reported: headache, loss of attention and memory, change in immune functions, 'wellbeing', increase cancer incidence.

Average intensity = 2.8 $\mu W/cm^2$
(median = 0.5 $\mu W/cm^2$; range = 0.005 – 10 $\mu W/cm^2$)

Non-human studies (13 publications) (rabbit, mouse, fly, tomato, plants)

Effects reported: change in immune functions, oxidative stress, lipid and DNA damages, reproduction, tumor growth, gene expression, metabolism.

Average intensity = 8.1 $\mu W/cm^2$ (median = 5 $\mu W/cm^2$; range = 0.168 – 52 $\mu W/cm^2$)

A list of radiofrequency radiation measurements reported in various countries.

Amoako et al. (2009)- Ghana- 900-1800 MHz- **0.001 μW/cm²**
Dhami (2011)- India-10 MHz-8 GHz- **1.148 μW/cm²**
Dode et al. (2011)- Brazil- cell tower- **0.04 - 40.78 μW/cm²**
Firlarer et al. (2003)- Turkey- GSM900 MHz - **3 μW/cm²**
Frei et al. (2009)- Switzerland- 12 different bands from FM (88 MHz- 108 MHz) to W-LAN (2.4-2.5 GHz) - **0.013 μW/cm²**
Henderson et al. (2006)- Australia- 870-1200 MHz- **0.8 μW/cm²**
Joseph et al. (2008)- Belgium – FM, GSM900, GSM1800 and UMTS- **0.07 μW/cm²**
Kim & Park (2010)- Korea- CDMA800 and CDMA1800- **0.6 μW/cm²**
Lahham & Hammash (2012)- West Bank Palestine- FM radio, TV, base station- **3.86 μW/cm²**
Sirav & Seyhan (2009)- Turkey- TV and radio- **0.314 μW/cm²**
Thuroczy et al. (2006)- Hungary- 9 bands between 80-2200 MHz- **0.025 μW/cm²**
Viel et al. (2009)- France- 12 bands: FM to mobile phone- **0.6 μW/cm²**