

## Some Reported Biological Effects from Radiofrequency Radiation

Power Density	Reported Biological Effects	Reference
0.16 $\mu\text{W}/\text{cm}^2$	Motor function, memory and attention of school children affected (Latvia)	Kolodynski, 1996
0.168 - 1.053 $\mu\text{W}/\text{cm}^2$	Irreversible infertility in mice after 5 generations of exposure to RFR from an "antenna park"	Magras & Xenos, 1997
0.2 - 8 $\mu\text{W}/\text{cm}^2$	Two-fold increase in childhood leukemia / exposure to RFR from TV towers	Hocking, 1996
0.2 - 8 $\mu\text{W}/\text{cm}^2$	Decreased survival of children with childhood leukemia with exposure to RFR from television towers.	Hocking, 2000
1.0 $\mu\text{W}/\text{cm}^2$	Whole body RFR irradiation of male mice caused a significant effect on the immune system	Fesenko, 1999
1.0 $\mu\text{W}/\text{cm}^2$	Irradiation (5 hours) with low-power RFR stimulates the immune potential of macrophages and T cells	Novoselova, 1999
1.3 - 5.7 $\mu\text{W}/\text{cm}^2$	Two-fold increase in leukemia in adults from AM RFR exposure	Dolk, 1997
-2-4 $\mu\text{W}/\text{cm}^2$	Direct effect of RFR on acetylcholine-induced ion channels on cell membrane	D'Inzeo, 1988
4-15 $\mu\text{W}/\text{cm}^2$	Visual reaction time in children is slowed / lower memory function in tests; changes in immune functions.	Chiang, 1989
5 - 10 $\mu\text{W}/\text{cm}^2$	Impaired nervous system activity	Dumansky, 1974
10 $\mu\text{W}/\text{cm}^2$ (0.0027 W/Kg SAR)	Changes in active avoidance conditioned reflex (behavioral change) after 0.5 hour exposure to pulsed RFR.	Navakatikian, 1994
10-20 $\mu\text{W}/\text{cm}^2$	Increase in micronuclei (aberrant DNA form) in blood cells of workers chronically exposed to RFR at 1250-1350 MHz.	Garaj-Vrhovac, 1999

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10 - 25 $\mu\text{W}/\text{cm}^2$	Changes in the hippocampus of the brain	Belokrinitsky, 1982
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10-100 $\mu\text{W}/\text{cm}^2$	Increased risk of cancer associated with exposure to RFR in rats	Richter, 2000
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