

A Comparison of Wireless Device Emissions to the Scientific Research

<u>Radiation Levels</u> ($\mu\text{W}/\text{m}^2$)	<u>Effects</u>	<u>Researcher</u>	<u>Year</u>
10,000,000	FCC Exposure Guidelines, 30 min public exposure, based solely on thermal effects	FCC	1986
500,000	2 feet from microwave oven		
60,000	DNA damage in cells	Phillips	1998
52,500	Induced stress response	Kwee	2001
50,000	2 feet from a DECT cordless phone base, WiFi router, or WiFi enabled iPad		
50,000	Impaired nervous system activity	Dumansky	1974
50,000	Drop in NK lymphocytes (immune function decreased)	Boscolo	2001
40,000	Slowed memory/ altered immune function in children	Chiang	1989
40,000	Changes in hippocampus, part of brain memory, learning	Tattersall	2001
30,000	Irreversible infertility (in mice at 3 generations)	Magras	1997
22,000	2 feet from a WiFi enabled Laptop		
20,000	Double-strand DNA damage	Khalid	2011
13,000	2x rate of leukemia in adults	Kesari	2008
12,500	Affected kidney development	Dolk	1997
10,000	Headaches, dizziness, irritability, fatigue, weakness, insomnia, chest pain, difficulty breathing, indigestion	Pyrpasopoulou	2004
10,000	Affected functions of the immune system	Simonenko	1998
8,000	Emotional behavior changes (free-radicals)	Novoselova	1999
6,000	Change in calcium ion efflux from brain tissue	Akoev	2002
5,000	10 feet from a wireless smart meter	Dutta	1986
5,000	Decreased sperm motility and increased DNA fragmentation	Tell	2013
3,600	Affected calcium metabolism in heart cells	Advendano	2010
3,500	Pathological leakage in blood-brain barrier	Schwartz	1990
3,000	Affected neurological system, brain function	Salford	2003
2,200	Reduced density and number of young in bird populations	Vorobyov	2010
2,000	Decreased survival in children with leukemia	Balmori	2009
2,000	2x rate of leukemia in children	Hocking	2000
1,700	Irreversible infertility (in mice at 5 generations)	Hocking	1996
1,600	Negatively affected memory, attention, motor function of schoolchildren	Magras	1997
1,500	Reduced memory function	Kolodynski	1996
1,300	Decreased cognition, well-being	Nittby	2007
1,000	10 feet from a DECT cordless phone base unit or WiFi Router	Zwamborn	2003
700	Sperm head abnormalities in mice	Otitoloju	2010
638	Decreased cognitive function	Papageorgiou	2011
600	Slowing of heart, change in EEG	Seiryuk	1980
500	400 yards from a cell tower		
500	Adverse neurological, cardiovascular symptoms and cancer risk	Khurana	2010
500	10x increased risk of cancer in women, with short latency	Wolf	2004
400	10 feet from a WiFi enabled Laptop		
300	Headaches, memory changes, depressive symptoms, sleeping problems	Rassoul et al	2000
100	Behavioral disruption	Navakatikan	1994
100	Significant increase in breast cancer and brain tumours	Oberfeld	2008
100	Fatigue, headaches, sleeping problems	Navarro	2003
100	Headaches, concentration problems, sleeping problems	Hutter	2006
50	Headaches, fatigue, cardiovascular issues	Kundi	2009
50	In adults (30-60), chronic exposure caused sleep disturbances	Mohler	2010
30	In children and adolescents (8-17 yrs) behavioral problems in school	Thomas	2010
30	In children and adolescents (8-17 yrs) headaches, irritation, concentration difficulties in school	Heinrich	2010
20	Sleep disorders, abnormal blood pressure, nervousness, fatigue, joint pain, digestive disorders, fewer schoolchildren promoted	Altpeter	1995
6	Fatigue, depressive tendency, sleeping disorders, concentration difficulties, cardiovascular problems	Oberfeld	2004
5	Decreased cell proliferation	Velizarov	1999
3	Significantly reduced sperm count	Behari	2006
0.001	Low Radiation Natural Environments		

OVEREXPOSED

Video Documentation

Deck Phone 1800
Router in Bedroom 1800

Cell tower
Smart meter
With tinfcil Max 580

At Dinning Room Window 300

Programmable Thermostat 225

Childs Room
Baby monitor 180

Laptop Computer 120

Base Line Radiation over 10