

Table 2. Magnetic field strength around all appliances rapidly decreases with the distance. Normal operation distance is given in bold. At a distance of 30 cm the magnetic fields surrounding most household appliances are much lower than the given guideline limit of 100 µT for the general public (WHO). Source: WHO /Federal Office of Radiation Safety, Germany 1999.

Electrical appliance	3cm distance (µT)	30cm distance (µT)	1m distance (µT)
Hair dryer	6 - 2000	0.01 - 7	0.01 - 0.03
Electric shaver	16 - 1600	0.08 - 9	0.01 - 0.03
Vacuum cleaner	200 - 800	2 - 20	0.13 - 2
Fluorescent light	40 - 400	0.5 - 2	0.02 - 0.25
Microwave oven	73 - 200	4 - 8	0.25 - 0.6
Portable radio	16 - 56	1	< 0.01
Electric oven	1 - 50	0.15 - 0.5	0.01 - 0.04
Washing machine	0.8 - 50	0.15 - 3	0.01 - 0.15
Iron	8 - 30	0.12 - 0.3	0.01 - 0.03
Dishwasher	3.5 - 20	0.6 - 3	0.07 - 0.3
Computer	0.5 - 30	< 0.01	
Refrigerator	0.5 - 1.7	0.01 - 0.25	< 0.01
Colour TV	2.5 - 50	0.04 - 2	0.01 – 0.15