

# Cell Phone and Tower RF Radiation Meter



With the growth of the cell phone industry, and widespread use of cellular telephones, have come numerous complaints and even epidemiological studies claiming the low-level microwave radiation emitted by these devices are harmful to human health. Low level microwave radio frequencies (RF) are given off not only by the cell phones, but also by repeater stations placed on the roofs of apartment buildings (to eliminate "dark zones" where cell phones might otherwise be unusable), as well as from larger cellular telephone and microwave communications towers. Obtaining precise measurements of the radiations from these various devices and antennas has always posed a big problem for those wanting to have exacting information on their exposure levels.

The new Cell Phone and Tower RF Radiation Meter is designed to measure frequencies within two ranges (1 GHz or "gigahertz" = 1000 MHz or "megahertz") : **【1】** the range of cell phones and towers specifically (0.8 - 1.7 GHz), and **【2】** a broader range which encompasses cell phones, towers and other microwave exposures such as microwave ovens (which yield an emission peaking at around 2 GHz), in addition to radiofrequencies as from AM radio broadcasting towers (0.5 MHz - 3 GHz).

A selector switch allows detection in three ranges of intensity, which span from .001 to 2000 microwatts/cm<sup>2</sup>. Signal strengths may rapidly fluctuate in these frequencies, so there is a slow-fast selector switch, to smooth out the readings. The meter also has a manual zero-adjust to eliminate variations due to temperature, and a low-battery indicator. Fully portable, using only a 9-volt battery.

If you only want to measure high frequencies such as cell phones and cell phone towers, switch the Bandwidth to "Narrow". To see all microwave and radiofrequencies, switch to "Wide". Detailed instructions are included.

This is an elegant and very useful tool for those who want to know what they are being exposed to in the cell-phone and radio-broadcasting frequency ranges, and especially for those community groups or individuals who are fighting to prevent cell phone installations from being erected close to their homes, schools and workplaces. Cell phone repeater stations are today routinely being put on the roofs of apartment and office buildings and close to schools, so that cell-phone users can get clear reception while engaging in mindless chatter in a basement location -- sometimes cell phone towers are dressed up as harmless palm trees, to hide them from an unsuspecting public. Everyone is therefore getting an increasing exposure which, due to political infiltration of our public health sector, bears little relationship to observed biological reactions or health risks. If you have ever wondered if that small hand-held cell phone all the kids are using today, or a cell-phone tower placed near to your child's school, or overhead on the roof of your apartment was putting out a tremendous blast of energy, this meter will remove that doubt entirely.

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