

BUILDING-MOUNTED WIRELESS ANTENNAS *and Health Effects on Building Occupants*



Wireless companies want to place powerful new 4G/5G antennas on the roofs of apartment and office buildings to beam microwave signals throughout the local area. These antennas will emit radio-frequency (“RF”) radiation 24/7, subjecting all building occupants to constant, whole-body exposure whether they use the wireless service or not.

Top 5 Things You Should Know About 4G/5G Wireless Antennas Mounted on Your Building

1. Thousands of published, peer-reviewed studies have documented that exposure to radiofrequency (RF) microwave radiation (“wireless radiation”) is harmful to biological systems, increasing the risk of neurological and reproductive problems, as well as cancer. The U.S. National Toxicology Program recently completed a \$30 million-dollar study that found “clear evidence” of cancer associated with chronic whole-body exposure to low levels of wireless radiation.*
2. The Federal Communications Commission (FCC) has not updated its human wireless radiation exposure guidelines for over 24 years. Those guidelines only consider thermal exposures, not biological damage at non-thermal levels now well documented. 5G wireless radiation frequencies have **never been tested** for long-term human safety.
3. Once wireless antennas are installed on a building, other wireless companies can install their antennas in the same space (“co-locate”) without additional approval or notice.
4. Wireless companies pay landlords substantial sums of money to install wireless infrastructure on their property – which might be a good deal for landlords but will expose tenants to constant, low-level microwave radiation.

* To review the independent science on the biological effects of wireless radiation, please visit americansforresponsibletech.org/scientific-studies/scientific-studies.

Questions and Answers About Wireless Radiation

Q. What is wireless radiation and where does it come from?

A. Wireless radiation is a type of non-ionizing radiation on the electromagnetic spectrum. It is emitted from microwaves, cell phones, cell towers, laptops, WiFi routers, bluetooth technologies, smart meters, and other wireless devices.

Q. What evidence shows that wireless radiation is hazardous to human health?

A. For years, the telecommunications industry has led the public to believe that the only possible harm from exposure to wireless radiation is the heating of human tissue. In fact, the current, decades-old U.S. wireless radiation human exposure guidelines only address the issue of heating effects in humans and do not take into consideration the known adverse biological effects associated with exposure to wireless radiation.

Q. Aren't we already exposed to lots of wireless radiation in our lives?

A. Yes, we are. But you should have the right to control the amount of radiation in your own home or apartment. You can turn off your cell phone or choose hard-wired connections to the internet, but once wireless antennas are mounted on your building, you'll be involuntarily exposed all day and night to known harm.

Q. How do I prevent my landlord from installing 5G antennas on my building?

A. The first step is to share this fact sheet with your landlord and encourage him to deny wireless antenna installation requests altogether. If your landlord is unresponsive to your requests to maintain a safe living environment, we recommend two things:

1) Circulate a petition among tenants in your building urging the landlord not to sign any lease agreements with wireless providers.

2) Request that if the landlord does permit wireless antennas on the building, that he or she requires the telecom to provide **proof of liability insurance without a "pollution exclusion"** and allows the landlord to cancel the lease and keep the security deposit if an independent test of the antennas shows they **exceed FCC public exposure limits**.

For more information and more tools you can use to advocate for safe technology, please visit www.AmericansForResponsibleTech.org/toolkit.

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