

ARE OUR SCHOOLS SAFE?

CELL TOWERS ON AND NEAR SCHOOLS

Due to increasing evidence of **the health risks of wireless radiation**, countries like Italy, Greece, Croatia, France, and Chile are restricting wireless radiation from schools and the surrounding areas [i].

In the US, however, the Federal Communications Commission (FCC) sets standards that protect telecommunications' profits over public health [ii]. **Cell towers and antennas are being installed everywhere -- even on school grounds (including the roof)!**



To generate revenue, some schools allow telecommunications companies to put towers/antennas on school property. Nearby towers/antennas can also pollute school grounds.

Students and educators are being exposed to dangerous levels of wireless radiation.

WE MEASURED THE WIRELESS RADIATION OUTSIDE 50+ SCHOOLS IN GREATER HARTFORD, CT.

96% had radiation levels that the European Academy for Environmental Medicine considers

UNSAFE

5 school grounds had radiation levels that would be **PROHIBITED**

in countries like Italy and Bulgaria

DANGEROUS HEALTH RISKS

Studies show that spending time near cellular towers/antennas could have **severe health impacts, especially for children**, including increased risks of:



cancer & DNA damage [iii]



neurological, cognitive, & behavioral difficulties, including learning, memory & attention issues [iv]



fetal maldevelopment & reproductive challenges like infertility [v]



cardiovascular problems & more [vi]

Curious about the wireless radiation levels at YOUR school? See the next page. These measurements provide a window into the radiation levels in the surrounding area, too.

For full references, please see our website.

GREATER HARTFORD COALITION FOR SAFE TECHNOLOGY

www.GHC4SafeTech.com

[i] Stam 2018; Connexion 2017; Silva 2013

[ii] Alster 2015

[iii] NTP 2018ab; Smith-Roe et al. 2020; Falcioni et al. 2018

[iv] Pikov et al. 2010; Pakhom et al 1997; Jiang et al. 2024; Zwamborn et al. 2003; Wang et al. 2023; Aldad et al. 2012; Ntzouni et al. 2012

[v] Kesari and Behari 2010; Rago et al. 2013; Baste et al. 2012;

Møllerlækken & Moen 2008; Türedi Et al 2014; Aldad et al. 2012

[vi] Salli et al. 2015

IS YOUR SCHOOL SAFE FROM WIRELESS RADIATION?

9 school grounds consistently exceeded 1,000 $\mu\text{W}/\text{m}^2$ ("Extreme").

All 9 are within **3,000 FT** of a macro cell tower.

We're advocating for legislation **prohibiting cell towers/antennas** from within at least

1,500-3,000 FT from "sensitive areas," including schools.

HOW MUCH RADIATION IS "SAFE"?

The FCC states that wireless radiation (at 1800 MHz) is "safe" up to 10,000,000 $\mu\text{W}/\text{m}^2$ (microwatts per square meter). This determination is based on only 30 minutes of exposure for an average-sized adult.

Hundreds of researchers, medical practitioners, and policy makers are calling for "biologically-based public exposure standards" [vii]:

The *European Academy for Environmental Medicine* recommends: **below 1 $\mu\text{W}/\text{m}^2$**
 The *Institute of Building Biology* recommends: **below .1-10 $\mu\text{W}/\text{m}^2$**

| Safe & Sound Pro II RF Meter Category Power Density ($\mu\text{W}/\text{m}^2$) | Institute of Building Biology guidelines for long-term exposure ($\mu\text{W}/\text{m}^2$) |
|--|--|
| Slight < .1 | No Concern |
| Slight .1-10 | Slight Concern |
| Moderate 10-100 | Severe Concern |
| High 100-1000 | Severe Concern |
| Extreme > 1000 | Extreme Concern 100-10,000x higher than precautionary guidelines |

++ Maximum power density exceeded 100,000 $\mu\text{W}/\text{m}^2$, which is prohibited in countries like Italy and Bulgaria. [i]

These measurements were taken in April-Sept 2023 with the Safe and Sound Pro II Meter *outside* the schools' main entrances. They represent a *rough* approximation of the *environmental radiation* (before accounting for radiation inside).

| Bloomfield | RF Level |
|----------------------------------|-------------|
| Bloomfield High | High |
| Metacomet Elem. | Slight |
| Bolton | RF Level |
| Bolton Center | Slight |
| Bolton High | Slight |
| Berlin | RF Level |
| Mary Griswold | Moderate |
| Richard Hubbard | Moderate |
| East Hartford | RF Level |
| Sunset Ridge Middle | High |
| Farmington | RF Level |
| Farmington High | Extreme |
| Glastonbury | RF Level |
| Glastonbury High | Moderate |
| Hartford | RF Level |
| Annie Fisher Mont. & STEM Magnet | High |
| Betances | Mod/High |
| Bulkeley North & South | Mod/High |
| Burns Latino | High |
| Classical Magnet | High |
| GH Acad. of the Arts | Extreme++ |
| Hartford Public High | High |
| Kinsella Magnet | High |
| Prince Tech High | High |
| Sports & Med. Sciences | Extreme++ |
| Weaver High | High |
| Breakthrough (North) | High/Ext.++ |
| Jumoke(JAH-HC) | Extreme |
| West Middle | Extreme |
| Manchester | RF Level |
| Arthur Illing Middle | Extreme |
| Manchester High | Extreme++ |

| New Britain | RF Level |
|-------------------------|-------------|
| Chamberlin Elem. | High |
| New Britain High | High/Ext. |
| Northend Elem. | Moderate |
| Rosevelt Campus | High/Ext. |
| Newington | RF Level |
| Elizabeth Green Elem. | Moderate |
| Martin Kellogg Middle | Moderate |
| Newington High | Extreme |
| Simsbury | RF Level |
| Simsbury High | Moderate |
| Tolland | RF Level |
| Tolland High | Extreme |
| Tolland Middle | Slight/Mod. |
| West Hartford Schools | RF Level |
| Bristow Middle | Moderate |
| Charter Oak Int'l | High |
| Conard High | High |
| Duffy Middle | Moderate |
| Edward M. Morley | Slight/Mod |
| Sedgwick Middle | High/Ext. |
| Webster Hill | Moderate |
| Whiting Lane Elem. | High |
| Wolcott Elementary | Moderate |
| Wethersfield | RF Level |
| Samuel Webb Elem. | Moderate |
| Willington | RF Level |
| Hall School | Slight/Mod |
| Windsor | RF Level |
| John F Kennedy Middle | High |
| Sage Park Middle School | High/Ext. |
| Windsor High School | High/Ext.++ |

For more measurements, further details, and full references, please see our website.

