

AN INVISIBLE THREAT: WIRELESS RADIATION

Due to increasing evidence of **the health risks of wireless radiation**, countries like Italy, Greece, Croatia, France, Switzerland, and Chile are limiting wireless radiation in “sensitive areas” where residents spend long periods of time (e.g., schools, senior centers, parks, residential areas, etc.) [i].

But in the U.S., the Federal Communications Commissions (FCC) sets standards that protect telecommunications' profits over public health [ii].

Cell towers and antennas are being installed everywhere, including the roofs of schools and senior centers.



To generate revenue, some public buildings allow towers/antennas on their property.

We measured wireless radiation outside 85+ public spaces in Greater Hartford, Conn.:

90% had radiation levels that the *European Academy for Envir. Medicine* considers **“SEVERELY” or “EXTREMELY” CONCERNING**

24 consistently exceeded 1,000 $\mu\text{W}/\text{m}^2$, and all but 2 of those 24 spaces are located within

0.4 mile (~2,000 feet) of a cell tower

Join us in advocating for legislation prohibiting cell towers from at least 1,500-3,000 feet of “sensitive areas,” including schools, senior centers, parks, and residences.



TO SIGN OUR PETITION,
← CLICK/SCAN HERE.
(YES, WE RECOGNIZE THE IRONY.)
www.ghc4safetech.com/petition

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]

See website for full references.

[i] Stam 2018; Connexion 2017; Silva 2013 [ii] Alster 2015
[iii] NTP 2018; 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; Møllerløkken & Moen 2008; Türedi Et al 2014; Aldad et al. 2012
[vi] Saili et al. 2015

GREATER HARTFORD
COALITION
FOR **SAFE TECHNOLOGY**
www.GHC4SafeTech.com



BACKGROUND RADIATION LEVELS ACROSS GREATER HARTFORD

These measurements represent a *rough* approximation of background radiation outdoors. They were taken April 2023–March 2024 with the Safe & Sound Pro II **OUTSIDE** main entrances (unless noted). They do *not* reflect radiation levels inside the buildings, which are also critical. See [website](#) for more details.

West Hartford	RF Level
Bristow Middle	Moderate
Charter Oak Int'l	High
Conard High	High
Duffy Middle	Moderate
Elizabeth Park, Rose Garden	Slight/Mod
Morley	Slight/Mod
Noah Webster Library	Extreme
Senior Center	Extreme
Westmoor Park	Moderate
Sedgwick Middle	High/Ext.
Whiting Lane Elem.	High
Wolcott Elem.	Moderate
Webster Hill	Moderate
Willington	RF Level
Hall School	Slight/Mod
Windsor	RF Level
JFK Middle	High
John Fitch Park	Extreme
Sage Park Mid.	High/Ext.
Windsor High	High/Ext.

Bloomfield	RF Level
Bloomfield High	High
Metacomet Elem.	Slight

Hartford	RF Level
Annie Fisher Mont./STEM	High
Betances	Mod/High
Breakthrough (North)	High/Ext.
Bulkeley North & South	Mod/High

Newington	RF Level
Elizabeth Green Elem.	Moderate
Martin Kellogg Mid.	Moderate
Newington High	Extreme

Bolton	RF Level
Bentley Mem. Library	Slight
Bolton Center	Slight
Bolton High	Slight
Bolton Senior Center	Slight
Herrick Park	Slight
Town Hall	Moderate

Burns Latino	High
Classical Magnet	High
Colt Park	High/Ext.
Eliz. Park (Sun. Overlook)	High
GH Acad. of the Arts	Extreme
Hartford City Hall	Extreme
Hartford Public High	High

Simsbury	RF Level
Simsbury High	Moderate

Berlin	RF Level
Mary Griswold	Moderate
Richard Hubbard	Moderate

Jumoke(JAH-HC)	Extreme
Kenney Park, Ridgefield	Extreme
Keeney Park, Disc Golf	High
Kinsella Magnet	High

South Windsor	RF Level
Major M. Donnelly Land Preserve	Moderate
SW High	High

East Hartford	RF Level
Great River Park	Extreme
CREC Acad. of Comp. Sci. & Eng.	High
Sunset Ridge Middle	High
Police Station/Wickham Library	High
Raymond Library	Extreme
Shea Park	Mod/High
Silver Lane Elem.	Moderate

North End Senior Center	High
Prince Tech High	High
Public Library, Albany	Mod/High
Pub. Library, Asylum Ave	Extreme
Rocky Ridge Park	Extreme
South End Senior Center	Extreme
Sports & Med. Sci.	Extreme
Thomas J. Hyland Park	High/Ext.
Weaver High	High
West Middle	Extreme

Tolland	RF Level
Tolland High	Extreme
Tolland Middle	Slight/Mod.

Farmington	RF Level
Farmington High	Extreme

Vernon	RF Level
Vernon Senior Center	Extreme

Glastonbury	RF Level
Glastonbury High, Front Entrance	Mod/High
Glastonbury High, Playing Fields	High/Ext.
Riverfront Park	Moderate
Police Station	Extreme
Senior Center (Eastern Entrance)	Moderate
Senior Center (Southern Entrance)	Extreme
Skate Park	Extreme
Town Hall	Extreme

Manchester	RF Level
Arthur Illing Middle	Extreme
Case Mountain Park	Moderate
Highland Middle	Mod/High
Manchester High	Extreme
Senior Center	Moderate

Wethersfield	RF Level
Samuel W. Elem.	Moderate

New Britain	RF Level
Chamberlin Elem.	High
New Britain High	High/Ext.
Northend Elem.	Moderate
Roosevelt Campus	High/Ext.

HOW MUCH RADIATION IS "SAFE"?

The FCC considers wireless radiation (1800 MHz) "safe" up to 10,000,000 $\mu\text{W}/\text{m}^2$. This is based on only 30 min. of exposure for an average-sized adult. Experts are calling for "biologically-based public exposure standards" [vii]. The *European Academy for Environ. Med.* and the *Institute of Building Biology* recommend below 1 $\mu\text{W}/\text{m}^2$ or 0.1-10 $\mu\text{W}/\text{m}^2$, respectively.

Power Density ($\mu\text{W}/\text{m}^2$)	Institute of Building Biology guidelines (long-term exposure)
Slight < .1	No Concern
Slight .1-10	Slight Concern
Moderate 10-100	Severe Concern
High 100-1000	Severe Concern
Extreme > 1000	Extreme Concern