

Goliath business content website,  
[http://goliath.ecnext.com/coms2/gi\\_0199-5011857/The-impact-of-cell-phone.html](http://goliath.ecnext.com/coms2/gi_0199-5011857/The-impact-of-cell-phone.html)

c. Sandy Bond also co-authored, "Cellular Phone Towers: Perceived impact on residents and property values" University of Auckland, paper presented at the Ninth Pacific-Rim Real Estate Society Conference, Brisbane, Australia, January 19-22, 2003; see attached. Source: Pacific Rim Real Estate Society website, [http://www.prres.net/Papers/Bond The Impact](http://www.prres.net/Papers/Bond%20The%20Impact)

2. Industry Canada (Canadian government department promoting Canadian economy), "Report On the National Antenna Tower Policy Review, Section D – The Six Policy Questions, Question 6. What evidence exists that property values are impacted by the placement of antenna towers?"; see attached. Source: Industry Canada <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08353.html> website,

3. New Zealand Ministry for the Environment, "Appendix 5: The Impact of Cellphone Towers on Property Values"; see attached. Source: New Zealand Ministry for the Environment website, <http://www.mfe.govt.nz/publications/rma/nes-telecommunications-section32-aug08/html/page12.html>

On a local level, residents and real estate professionals have also informed city officials about the detrimental effects of cell towers on home property values.

1. **Glendale, CA:** During the January 7, 2009 Glendale City Council public hearing about a proposed T-mobile cell tower in a residential neighborhood, local real estate professional Addora Beall described how a Spanish home in the Verdugo Woodlands, listed for 1 million dollars, sold \$25,000 less because of a power pole across the street. "Perception is everything," said Ms. Beall stated. "If the public perceives it to be a problem, then it is a problem. It really does affect property values." See Glendale City Council meeting, January 7, 2009, video of Addora Beall comments @ 2:35:24:

- [Aesthetics and Public Safety](#)
- [Public Right of Way Developments](#)
- [Noise and Nuisance and notes about Clearwire](#)
- [Health Effects: Science & Research](#)
- [Watch these videos - Glendale and other residents protest cell towers and ask for new ordinances - great examples: read, watch and learn how these residents and other local groups organized their effective presentations before their elected reps. What they did will inspire and may help you.](#)

**DVDs and Books:**  
 you can view and read

**Take Action:**

[Read and Sign the Petition](#)

Attachment 7d

[http://glendale.granicus.com/MediaPlayer.php?view\\_id=12&clip\\_id=1227](http://glendale.granicus.com/MediaPlayer.php?view_id=12&clip_id=1227)

2. **Windsor Hills/View Park, CA:** residents who were fighting off a T-Mobile antenna in their neighborhood received letters from real estate companies, homeowner associations and resident organizations in their community confirming that real estate values would decrease with a cell phone antenna in their neighborhood. To see copies of their letters to city officials, look at the Report from Los Angeles County Regional Planning Commission regarding CUP Case No. 200700020-(2), from L.A. County Board of Supervisors September 16, 2009, Meeting documents, Los Angeles County website, here at: <http://file.lacounty.gov/bos/supdocs/48444.pdf>

Write and Call  
Our City  
Leaders

Other Links:

- Actions Taken
- Other Communities Saying "No"
- Important Organizations
- Burbank Neighborhoods
- Districts

a. See page 295, August 31, 2008 Letter from Donna Bohanna, President/Realtor of Solstice International Realty and resident of Baldwin to Los Angeles Board of Supervisors explaining negative effect of cell tower on property value surrounding properties. "As a realtor, I must disclose to potential buyers where there are a cell towers nearby. I have found in my own experience that there is a very real stigma and cellular facilities near homes are perceived as undesirable."

b. See page 296, March 26, 2008 Letter from real estate professional Beverly Clark, "Those ..... would otherwise purchase a home, now considered desirable, can be deterred by a facility like the one proposed and this significantly reduces sales prices and does so immediately...I believe a facility such as the one proposed will diminish the buyer pool, significantly reduce homes sales prices, alter the character of the surrounding area and impair the use of the residential properties for their primary uses."

c. See Page 298, The Appraiser Squad Comment Addendum, about the reduced value of a home of resident directly behind the proposed installation after the city had approved the CUP for a wireless

A  
B  
C  
AM #C  
D  
Wendy pg

facility there: "The property owner has listed the property...and has had a potential buyer back out of the deal once this particular information of the satellite communication center was announced...there has been a canceled potential sale therefore it is relevant and determined that this new planning decision can have some negative effect on the subject property."

d. See Page 301, PowerPower presentation by residents about real estate values: "The California Association of Realtors maintains that 'sellers and licensees must disclose material facts that affect the value or desirability of the property,' including 'known conditions outside of and surrounding' it. This includes 'nuisances' and zoning changes that allow for commercial uses."

e. See Pages 302-305 from the Baldwin Hills Estates Homeowners Association, the United Homeowners Association, and the Windsor Hills Block Club, opposing the proposed cell tower and addressing the effects on homes there: "Many residents are prepared to sell in an already depressed market or, in the case of one new resident with little to no equity, simply walk away if these antennas are installed."

f. See Pages 362-363, September 17, 2008, Letter from resident Sally Hampton, of the Windsor Hills Homeowner's Assoc., Item K, addressing effects of the proposed facility on real estate values.

3. **Santa Cruz, CA:** Also attached is a story about how a preschool closed up because of a cell tower installed on its grounds; "Santa Cruz Preschool Closes Citing Cell Tower Radiation," Santa Cruz Sentinel, May 17, 2006; Source, EMFacts website:  
<http://www.emfacts.com/weblog/?p=466>.

4. **Merrick, NY:** For a graphic illustration of what we don't want happening here in Burbank, just look at Merrick, NY, where NextG wireless facilities are being installed, resulting in declining home real estate values. Look at this Best Buyers Brokers Realty website ad from

this area, "Residents of Merrick, Seaford and Wantaugh Complain Over Perceived Declining Property Values: <http://www.bestbuyerbroker.com/blog/?p=86>.

5. **Burbank, CA:** As for Burbank, at a City Council public hearing on December 8, 2009, hillside resident and a California licensed real estate professional Alex Safarian informed city officials that local real estate professionals he spoke with agree about the adverse effects the proposed cell tower would have on property values:

"I've done research on the subject and as well as spoken to many real estate professionals in the area and they all agree that there's no doubt that cell towers negatively affect real estate values. Steve Hovakimian, a resident near Brace park, and a California real estate broker, and the publisher of "Home by Design" monthly real estate magazine, stated that he has seen properties near cell towers lose up to 10% of their value due to proximity of the cell tower...So even if they try to disguise them as tacky fake metal pine trees, as a real estate professional you're required by the California Association of Realtors: that sellers and licensees must disclose material facts that affect the value or desirability of a property including conditions that are known outside and surrounding areas."

(See City of Burbank Website, Video, Alex Safarian comments @ 6:24:28, [http://burbank.granicus.com/MediaPlayer.php?view\\_id=6&clip\\_id=848](http://burbank.granicus.com/MediaPlayer.php?view_id=6&clip_id=848))

Indeed, 27 Burbank real estate professionals in December 2009, signed a petition/statement offering their professional opinion that the proposed T-Mobile cell tower at Brace Canyon Park would negatively impact the surrounding homes, stating:

"It is our professional opinion that cell towers decrease the value of homes in the area tremendously. Peer reviewed research also concurs that cell sites do indeed cause a decrease in home value. We encourage you to respect the wishes of the residents and deny the proposed T-Mobile lease



at this location. We also request that you strengthen your zoning ordinance regarding wireless facilities like the neighboring city of Glendale has done, to create preferred and non preferred zones that will protect the welfare of our residents and their properties as well as Burbank's real estate business professionals and the City of Burbank. Higher property values mean more tax revenue for the city, which helps improve our city." (Submitted to City Council, Planning Board, City Manager, City Clerk and other city officials via e-mail on June 18, 2010. To see a copy of this, scroll down to bottom of page and click "Subpages" or go here:  
<http://sites.google.com/site/nocelltowerinourneighborhood/real-estate-value/burbank-real-estate-professionals-statement> )

Here is a list of additional articles on how cell towers negatively affect the property values of homes near them:

- The Observer (U.K.), "Phone masts blight house sales: Health fears are alarming buyers as masts spread across Britain to meet rising demand for mobiles," Sunday May 25, 2003 or go here:  
<http://www.guardian.co.uk/money/2003/may/25/hc>
- "Cell Towers Are Sprouting in Unlikely Places," The New York Times, January 9, 2000 (fears that property values could drop between 5 and 40 percent because of neighboring cell towers)
- "Quarrel over Phone Tower Now Court's Call," Chicago Tribune, January 18, 2000 (fear of lowered property values due to cell tower)
- "The Future is Here, and It's Ugly: a Spreading of Techno-blight of Wires, Cables and Towers Sparks a Revolt," New York Times, September 7, 2000
- "Tower Opponents Ring Up a Victory," by Phil Brozynski, in the *Barrington [Illinois] Courier-Review*, February 15, 1999, 5, reporting how the Cuba Township assessor reduced the value of twelve homes following the construction of a cell tower in Lake County, IL. See attached story:

<http://spot.colorado.edu/~maziara/appeal&attachme43-LoweredPropertyValuation/>

- In another case, a Houston jury awarded 1.2 million to a couple because a 100-foot-tall cell tower was determined to have lessened the value of their property and caused them mental anguish: Nissimov, R., "GTE Wireless Loses Lawsuit over Cell-Phone Tower," *Houston Chronicle*, February 23, 1999, Section A, page 11. (Property values depreciate by about 10 percent because of the tower.)

Read about other "Tools" on our website that may help you and your fellow residents oppose a cell tower in your neighborhood in the column to the right. These include:

- [Reasonable Discrimination Allowed](#)
- [We Already Have Good Coverage: Significant Gap and 911](#)
- [Alternative Locations and Supplemental Application forms](#)
- [Aesthetics and Safety](#)
- [Noise and Nuisance and notes about Clearwire](#)
- [Health Effects: Science & Research](#)

Also print out this helpful article on court decisions from the communications law firm of Miller & Van Eaton (with offices in D.C. and San Francisco) that you can pull and read to realize what rights you may or may not have in opposing a wireless facility in your neighborhood:

[http://www.millervaneaton.com/content.agent?page\\_name=HT%3A++IMLA+Article+Tower+Siting+Nov+2008](http://www.millervaneaton.com/content.agent?page_name=HT%3A++IMLA+Article+Tower+Siting+Nov+2008) (click the link once you get to this page).

Other important decisions and actions taken by courts and local governments can be found in our [Actions Taken page](#).

[Watch how other resident groups organized effective presentations at their public hearings so you can pick up](#)

their techniques and methods.

You can read and find additional organizations and resident groups that have organized opposition efforts against cell towers and wireless facilities, on our [Other Communities Saying "No" and Important Organizations](#) pages.

Subpages (1): [Burbank Real Estate Professionals Statement](#)

### Comments

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## STUDIES & REFERENCES

Horizon Tower 9475 Mojave Trail Kelseyville, Ca 95451 APN: 009-004-21

Professor Girish Kumar has a PhD in electrical engineering. He is a former Professor in the Electrical Engineering Department at the University of North Dakota. He is currently Professor in the Electrical Engineering Department at 11T Bombay. He has been working on hazards of microwave radiation for over a decade. **He's considered one of the world's leading experts on cell tower radiation.** He has written a book entitled Report on Cell Tower Radiation. It's a compilation of over 200 scientific peer reviewed studies on cell phone and cell tower radiation hazards.

These exposures have been linked to numerous adverse biological effects including:

DNA damage, Effects on Stress proteins, Blood brain barrier damage, Calcium ion release from cell membranes, Risk to children and pregnant women, Irreversible infertility, Effects on Skin, Tinnitus and ear damage, Uveal melanoma, Weaker bones, Salivary gland tumor, Melatonin reduction, Sleep disorders, Neurodegenerative diseases.

See attachment #1

### Firefighter Unions are Opposing Cell Towers

Firefighter groups in the United States have long opposed cell towers on their stations. In California they have been able to be exempt from the placement of towers on their stations because of the strong opposition they have due to health concerns from the radiation.

The International Assoc. of Fire Fighters (IAFF) opposes the use of fire stations as base stations for towers or antennas for the conduction of cell phone transmissions until a study with the highest scientific merit and integrity on health effects of exposure to low-intensity RF/MW radiation is conducted and it is proven that such sittings are not hazardous to the health of our members."

The position was initiated after increasing complaints among firefighters with cellular antennas on their stations coupled with the California study showing neurological damage in California firefighters conducted by Dr. Gunnar Heuser.

Read the Press Release on Firefighter Resolution and Research Study that found Neurological Damage (<http://www.emrpolicy.org/news/press/pr-iaff-vote.pdf>)

Read the Affidavit of Susan Foster detailing the study and findings

(<https://ecfsapi.fcc.gov/file/7022117660.pdf>)

His findings were abnormal brain study on firefighters. The symptoms they experienced were headaches, memory problems, sleeping problems, depression and anxiety.

Their response to install antennas on fire stations ... they have not heard from one single expert who has told them that the project will be safe.

See attachment #2

The towers radiate our homes, schools, workplaces, towns, cities and countryside with radio frequency microwave radiation 24/7.

Harvard-trained Dr. Andrew Weil observed that we simply don't know enough about the potential health risks of long-term exposure to RF energy from cell phones, cell towers, television towers, and other components of communication.

Because so much of cell phone technology is new and evolving, we don't have data on 10, 20 or 30 years worth of exposure to RF energy they emit," Weil concluded.

See attachment #3

The World Health Organization's International agency for Research on Cancer IARC says radiation from cell phone handsets and towers is "possibly carcinogenic to humans" and may cause glioma, a type of brain cancer. Towers are more dangerous than handsets because they emit greater-intensity radiation 24x7.

The area of concern is base-stations and their antennas which provide the link to and from cell phones. This is because, in contrast to handsets, it (RF) is emitted continuously and is more powerful at close quarters..., said an interministerial committee of experts on electromagnetic radiation exposure from cell phone towers in 2009.

These safety standards are based on 6 minutes/day to exposure, without accounting for people who live close to cell towers 24x7.

See attachment #4

According to Dr. Joel Moskowitz, a public health professor at the University of California, the increase in mini-cell towers across towns and cities is only part of the concern. Dr. Moskowitz says the lower frequency millimeter waves used in 5G could cause major skin, eye, and nervous system problems.

The human skin has the ability to absorb more than 90% of microwave radiation and will cause major problems from head to toe especially for the vulnerable such as kids, elderly and pregnant women.

The U.S. Government currently uses MMV energy as a non-lethal weapon. This weapon is direct and more intense than the MMVs from a 5G network, however, it's similar and concerning. According to the U.S. Department of Defense, the active denial system creates focused MMV beam that is capable of penetrating the skin, which can create a burning or stinging sensation.

Some experts argue 5G will have a devastating impact on our environment as well. A 2010 linked aspen leaf damage to MMV exposure. Some researchers also found MMV's can cause cell damage in wheat plants, impact wildlife and affect our atmosphere.

Only time will tell how the 5G network will impact our health and the environment.

MMVs are also believed to cause physical pain receptors to flare up in the human body, and cause great damage to our eyes, cell growth and compromise our immune system. according to an article in Eluxe Magazine.

New cell phone towers 5 G are becoming more dangerous.

See attachment #5

Electromagnetic radiations International Agency for Research on Cancer IARC reported that mobile tower radiations are carcinogenic to humans and can cause brain cancer. It has the same effects as being surrounded by DDT, chloroform lead and petrol exhaust. If you go for expert advice, they would tell you that living within 50m of a mobile tower is like being stuck in a microwave oven for the entire day.

Cellphone tower microwaves have a significantly higher frequency than even radio waves. The higher the frequency, the more powerful the wave-and the more powerful effect on biological organisms. Mobile towers emit microwaves at 1900 MHz.

Children have thinner skulls and are hence known to be more affected by radiation from mobile phone towers. The same applies for pregnant woman carrying an underdeveloped child. The penetration of the radiation is easier on them and the effect could be really disastrous if not kept under check.

See attachment #6

There has been concern that signals from some RF devices could interfere with the operation of implanted electronic pacemakers and other medical devices. Because pacemakers are electronic devices, they could be susceptible to electromagnetic signals that could cause them to malfunction.

World Health Organization Studies that demonstrate a health risk.

See Chart

Attachment #7

Dr. Gerard Hyland, a physicist who was nominated twice for the Nobel Prize in medicine, says "Existing safety guidelines for cell phone towers are completely inadequate.

Mt. Shasta Bioregional Ecology Center, "Studies have shown that even at low levels of this radiation, there is evidence of damage to cell tissue and DNA, and it has been linked to brain tumors, cancer, suppressed immune function, depression, miscarriage, alzheimers disease, and numerous other serious illnesses."

Still, many people are wary that the incentives do not come close to matching the potential risk involved.

#### Attachment #8

Radiofrequency radiation emitted from Cell Towers 24 hours a day every day. We can turn off our cell phones, but we cannot turn off the signal from these antennas which are affecting us while we sleep.

Study which verifies the existence of a spatial correlation between base station clusters and cases of deaths by Neoplasia in the Belo Horizonte municipality, Mina Gerais state, Brazil from 1996 to 2006 and to measure the human exposure levels to EMF where there is a major concentration of cellular telephone transmitter antennas.

#### Attachment #9

The county of Palm Beach, Florida, the City of Los Angeles, Ca, and the country of New Zealand have all prohibited cell phone base stations and antennas near schools due to safety concerns. The British Columbia Confederation of Parent Advisory Councils passed a resolution in 2003 banning cellular antennae from schools and school grounds. This organization is comparable to the PTA in the U.S. The resolution was directed to B.C. Ministry of Education, B.C. Ministry of Children and Family Development, B.C. School Trustees Association, and B.C. Association of Municipalities.

Non-Thermal effects are recognized by experts on RF/MW radiation and health to be potential health hazards. Safe levels of RF/MW exposure for these low intensity, non-thermal effects have not yet been established.

Many national and international organizations have recognized the need to define the true risk of low intensity, non thermal RF/MW radiation exposure, calling for intensive scientific investigation to answer the open questions.

See attachment #10 for list

Internationally, Researchers and physicians have issued statements that biological effects from low-intensity RF-MW radiation exposure have not been established.

Many scientists and physicians question the safety of exposure to RF/MW radiation. The CSIRO study, notes that there are no clear cutoff levels at which low intensity RF/MW exposure has effect and that the results of ongoing studies will take years to analyze.

Attachment # 10

See Revised and Amended IAFF Resolution no. 15, Aug 2004

Attachment #11

See additional References and Studies

Attachment #12

German Study: The proportion of newly developed cancer cases was three times higher among those who had lived during the past ten years 400 m about 1300 ft from the cellular transmitter site, compared to those living further away. They also revealed that the patients fell ill on average 8 years earlier.

Attachment #13

Brazil Study: Over 80% of those who succumbed to certain types of cancer resided approximately a third of a mile away from one of the hundreds of cell phone antennae that populate the city. These cancers, primarily found in

prostate, breasts, lungs, kidneys, liver, are the ones associated with exposure to EMFs.

Cell phone tower studies which examined the relationship between radiation exposure and cancer rates were conducted in the city of San Francisco in addition to cities in Austria, Germany, and Israel, dating as far back as the 1970s. All the studies shared similar findings: living within a certain proximity to a cell phone tower increased the risk of cancer anywhere from two to 121 times depending on what type of cancer was detected. Adilza Condessa Dode, PhD, one of the engineering researchers as well as the coordinator of the Brazilian study, addresses those who are concerned about cell phone tower radiation and explains the Brazil study does not stand alone. Dode elaborates, "these levels EMFs are already high and dangerous to human health. The closer you live to an antenna, the greater the contact with the electromagnetic field."

A growing number of organizations and many more studies support the conclusions of the Brazilian study. The International Association for Research on Cancer IARC, based upon findings from research conducted by an international think tank, came to the conclusion that radio frequency radiation, including the radiation spewing from cell towers, is a possible carcinogen.

The BioInitiative 2012 Report written by a group of leading independent international scientists has put out an unequivocal health warning against exposure to EMFs. This includes exposures from cell phone towers.

The threat comes from the constant nature of the activity of the towers they emit pulsed radio frequency radiation. This radiation has been shown in thousands of studies to cause biological damage to the body and to be a precursor to disease.

What are some of the dangers besides cancer which result from this damage and are associated with EMFs and cell phone antennae?

Genetic mutations, Memory disruptions, Hindered learning, ADD, Insomnia, Brain disorders, Hormonal imbalances, Infertility, Dementia, Heart complications.

Cell towers are here to stay but their implantation needs effective regulation in terms of location and radiation levels. **Cell towers should be located away from residential areas and far away from schools and day care centers.**

Attachment #14

Cell tower Radiation 5 G Unknowns

Cell providers want less expensed infrastructure to be able to provide faster and better service, therefore, the introduction of 5G which no one knows what that generation of service will do to humans wildlife and the environment.

Research shows problems, especially cancer, what can we expect from 5G? No one really knows.

See research references listed on attachment #15

Attachment #15

Biological Effects of Microwaves and Radio Frequency Radiation

1972 Naval Medical Research Institute study, listing the effects of Radio Frequency upon the human body and in animals.

2,000 biological responses to radio frequency and microwave radiation.

Please review references I was not able to print.

Attachment#16

## Summary:

There are a many **expert scientific studies** in growing numbers showing numerous serious health affects from Cell Phone Towers, low levels of radiation, in the US as well as other countries.

Studies show low levels of radiation to be dangerous to pregnant women, children, the general population, and animals.

Also, it could interfere with some medical equipment or pacemakers. There are many questions of the recommended safe levels of radiation, US has lower regulations than other countries.

Long range health affects are unknown.

Researchers and physicians have issued statements that safe levels of Low Intensity Radiation have not been established. Technology keeps advancing causing everything to even be stronger, for example 5G is unknown the effects on humans, the environment and animals.

The 1996 Telecommunicatons Act was signed in 1996. The last health study was done in the 1990s and many technologies have changed since in both instances.

The International Fire Fighters Association position on placing cell towers on fire department facilities, is that the IAFF oppose the use of fire stations as base stations for towers and or antennas for the conduction of cell phone transmissions until a study with the highest scientific merit and integrity on health effects of exposure to low-intensity radiation is conducted and it is proven that such sittings are not hazardous to the health of their members.

If Firefighters do not consider a tower 100% safe not sure what the difference would be if a cell tower were installed in a residential neighborhood? We would get the same 24/7 exposure . Why install in residential neighborhoods until it is proven without a doubt that it is safe?

We have the option to turn off our cell phones, internet, microwaves and other devices, however **cell towers radiate 24/7. It is more dangerous while we sleep.**

**With so many questions and concerns why install a cell tower in our residential neighborhood until research is 100% sure that it is safe? Perhaps place the cell tower the recommended 1300 feet away from our homes. Attorneys recommend placing 1500 -2000 feet away from homes. Firefighters do not allow installation for health reasons from exposure to radiation.**

**Please do not install one near our homes, until we know for sure it is safe to live by.**

Attachment #1



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Lloyd Burrell

As heard on Republic Broadcasting Network Radio



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## Cell Tower Radiation Dangers, Symptoms And Solutions

Posted by Lloyd Burrell on March 14, 2017 under [Podcasts & Teleseminars](#) | 13 Comments to Read

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Like mushrooms, cell phone towers have been popping up everywhere over the last 3 decades.

These towers are now omnipresent.

Silently doing their job of keeping us connected.

They route our calls, messages, photos and videos via the Internet.

In fractions of a second these cell phone towers execute a very complex process.

Wonderful.

But of course there is a downside.

Because these towers, in doing their jobs, radiate our homes, schools, workplaces towns cities and countryside with radio frequency microwave radiation. 24/7.

There are those that claim this radiation is harmless.

~~There are others that claim that these exposures are highly detrimental to our health.~~

Everyone is entitled to their own opinion.

But there are a growing number of eminent scientists and researchers that are raising the alarm.

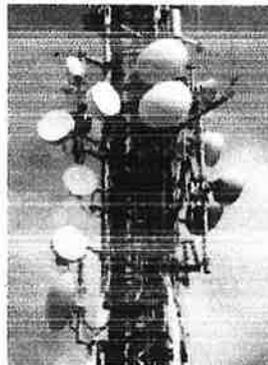
One of them is Professor Girdh Kumar.

He has a PhD in electrical engineering.

He is a former Assistant Professor in the Electrical Engineering Department at the University of North Dakota.

He is currently Professor in the Electrical Engineering Department at IIT Bombay.

He's been working on hazards of microwave radiation for over a decade.



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iPad Radiation –  
How To Reduce  
Your Exposure

He's considered one of the world's leading experts on cell tower radiation.

### Cell Tower Radiation Effects

All cell towers radiate invisible radio frequency microwave radiation.

These exposures have been linked to numerous adverse biological effects including:

- DNA damage
- Effects on Stress proteins
- Blood brain barrier damage
- Calcium ion release from cell membranes
- Risk to children and pregnant women
- Irreversible infertility
- Effects on skin
- Tinnitus and ear damage
- Uveal melanoma
- Weaker bones
- Salivary gland tumor
- melatonin reduction
- Sleep disorders
- Neurodegenerative diseases

The Trifield TF2  
EMF Meter – My  
Review



Cordless Phones:  
Even More  
Dangerous Than  
Cell Phones?

4 Best Apps For  
Detecting EMF's

EMFs in Your  
Home – My  
Protection Tips

### Level Of Exposure

Few people understand the hazards and workings of cell towers like Professor Kumar. There are various factors that come into play, principally:

- radiated power
- pattern of the antenna

The combination of these factors determines your exposure. Your level of exposure determines the health risk.

### Interview

Thursday, 16th March at 1:00 p.m. EST (10 AM PST or 6 PM GMT) I'm conducting a **LIVE interview with Girish Kumar professor of Electrical Engineering Department at I.I.T. Bombay.**

Professor Kumar has written more than 270 papers in the international and national journals and conference proceedings. He has written several reports and given presentations at various forums on cell phones and cell tower radiation hazards and solutions.

He is also the author of two books and has filed 5 patents. His latest book is entitled Report On Cell Tower Radiation.

It's a compilation of over 200 scientific peer reviewed studies on cell phone and cell tower radiation hazards. It also looks at the impact on the environment of cell tower radiation – not only humans but birds like sparrows, insects like butterflies and bees, and plants and animals have been affected by cell tower radiation.



The interview will last approximately one hour and it's **FREE** to listen to.

We are going to discuss:

- what are the characteristics of cell towers we need to be aware of?
- what are the maximum permitted transmit power levels in the US?
- how to tell where the maximum radiation of a cell tower antenna is directed – just by looking at it
- what's the safe distance to live from a cell tower?
- what are the solutions for dealing with cell tower radiation?

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## Firefighter Unions Opposing Cell Towers

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Firefighter groups in the United States have long opposed cell towers on their stations. Not only that, but in California they have been able to be exempt from the forced placement of towers on their stations because of the strong opposition they have- due to health concerns from the radiation.

**ABC7 News: LA Firefighters Halt Cell Towers on Fire Station...**



On this page we are keeping documentation on the firefighters opposition and we have posted important news videos that cover this issue.

Teacher unions also have made position statements on wireless radiation. Learn more here. (<https://efitrust.org/teacher-unions-parent-teacher-organizations/>)

In this news report below- California investigative reporter Julie Watts interviews firefighters and California officials on the SB649 exemption for firefighters.

**ConsumerWatch: 5G Cellphone Towers Signal Renewed Co...**



**INTERNATIONAL ASSOCIATION OF FIRE FIGHTERS (IAFF)**

- "The IAFF opposes the use of fire stations as base stations for towers and/or antennas for the conduction of cell phone transmissions until a study with the highest scientific merit and integrity on health effects of exposure to low-intensity RF/MW radiation is conducted and it is proven that such sitings are not hazardous to the health of our members." (<http://www.nea.org/resolutions>)
- The IAFF Official Position Against Cell Towers on Fire Stations (<http://www.iaff.org/hs/Facts/CellTowerFinal.asp>) passed in 2004.
- This position was initiated after increasing complaints among firefighters with cellular antennas on their stations coupled with the California study showing neurological damage in California firefighters conducted by Dr. Gunnar Heuser.

**Read the Press Release on the Firefighter Resolution and Research Study that found Neurological Damage ([http://www.emrpolicy.org/news/press/pr\\_iaff\\_vote.pdf](http://www.emrpolicy.org/news/press/pr_iaff_vote.pdf))**

**Read the Affidavit of Susan Foster detailing the study and findings here**

 (<https://ecfsapi.fcc.gov/file/7022117660.pdf>)

**Dr. Gunnar Heuser, lead brain studies on firefighters following a cell tower installation on their firestation and found that they were all abnormal.** His SPECT brain study on firefighters in 2004

 who complained of neurological problems following a cell tower installation at their firestation 5 years ago and found that they were abnormal. The symptoms they experienced were; headaches, memory problems, sleeping problems, depression, and anxiety

 <https://ecfsapi.fcc.gov/file/7022117660.pdf> (<https://ecfsapi.fcc.gov/file/7022117660.pdf>). Dr.

Heuser published a study recently on fMRI showing abnormalities in EHS similar to brain injury. **Original study published in July 2017, without the controls, full text**

(<https://www.degruyter.com/downloadpdf/j/reveh.2017.32.issue-3/reveh-2017-0014/reveh-2017-0014.pdf>): **Corrigendum to the study, which includes fMRI scans of the controls (non-**

**EHS)** (<https://www.degruyter.com/view/j/reveh.2017.32.issue-4/reveh-2017-0027/reveh-2017-0027.xml?format=INT>)

### ***L.A. County Firefighters Local 1014***

- Local 1014 has a webpage dedicated to stopping towers because of a plan to install them on over 200 of their stations. <http://www.stopcellphonetowers.com/index.html> (<http://www.stopcellphonetowers.com/index.html>)

*"As firefighters and paramedics, we live in these firehouses. What effect will these towers have on us? What are the risks to our neighbors? It's a no-brainer that LA County should at least have done a proper study before before putting 200-foot high-power microwave antennas on top of our heads."*

*— Dave Gillette, Active Duty Fire Captain, President, LA County Firefighters Local 1014 ([https://www.youtube.com/watch?v=s-x\\_xv6dg9E](https://www.youtube.com/watch?v=s-x_xv6dg9E))*

- The Firefighter's Website in 2015 <http://www.stopcellphonetowers.com/index.html> (<https://web.archive.org/web/20160303012435/http://www.stopcellphonetowers.com/index.html>)

### **United Firefighters of Los Angeles City Local 112 IAFF-CIO-CLC Opposes Cell Towers on Their Stations.**

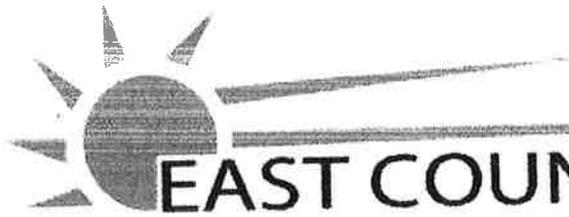
- "It is inexcusable that once again our firefighters in the field were the last to know about a massive 150 million dollar project that could jeopardize their health and safety. ... nobody talked to us and we have not heard from one single expert who has told us that this project will be safe."

 • "UFLAC will strongly oppose the use of Fire Stations as base locations for cell towers and/or antennas"

• Download the letter from this LA Firefighters Union ([http://nebula.wsimg.com/1913ec76b5ea44ffd0dfabbfc32f6da?](http://nebula.wsimg.com/1913ec76b5ea44ffd0dfabbfc32f6da?AccessKeyId=FF4B01FD5B2965093C55&disposition=0&alloworigin=1)

[AccessKeyId=FF4B01FD5B2965093C55&disposition=0&alloworigin=1](http://nebula.wsimg.com/1913ec76b5ea44ffd0dfabbfc32f6da?AccessKeyId=FF4B01FD5B2965093C55&disposition=0&alloworigin=1)) local 112 asking for an immediate halt to cell towers

Attach ment 3



# EAST COUNTY MAGAZINE

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## DANGERS OF LIVING NEAR CELL PHONE TOWERS RAISED

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November 2008 Articles

### La Mesa Council holds hearing Nov. 5 on proposal to erect cell phone tower in Lake Murray area

By Miriam Raftery



When Mom asked me to look into possible health hazards posed by cell phone panel antennas that a church in her neighborhood wants to put up, I expected to find reassuring facts to allay Mom's concerns. Instead, I found deeply disturbing data that makes me wonder why the public is not being informed about health risks -and why our government seems intent on covering up troubling truths.

Cell phone companies and the U.S. Food and Drug Administration assert that cell phone towers don't pose health risks to the public. Some studies support this assertion, but other studies suggest just the opposite.

Harvard-trained Dr. Andrew Weil at the University of Arizona's medical center recently observed, "In January 2008, the National Research Council (NRC), an arm of the National Academy of Sciences and the National Academy of Engineering, issued a report saying that we simply don't know enough about the potential health risks of long-term exposure to RF energy from cell phones themselves, cell towers, television towers, and other components of our communications system. The scientists who prepared the report emphasized, in particular, the unknown risks to the health of children, pregnant women, and fetuses as well as of workers whose jobs entail high exposure to RF (radiofrequency) energy... Because so much of cell phone technology is new and evolving, we don't have data on the consequences of 10, 20 or 30 years worth of exposure to the RF energy they emit," Weil concluded. The report called for long-term safety studies on all wireless devices including cell phones, computers, and cell phone towers.

X  
X

Attachment #4

The Kasliwals and fifty other families in the upscale C-scheme neighbourhood in Jaipur live under the shadow of death. Seven people in the neighbourhood have been diagnosed with cancer since cellphone towers were installed here in 2003. Since then, illnesses, both minor and major, have become a part of their lives.

Two of the three Kasliwal brothers were recently diagnosed with cancer. "First, our dog died of cancer. Last year, both my younger brother and I were diagnosed with brain cancer. It was only when the doctor asked whether we were exposed to some kind of radiation that it occurred to us that the cell-phone towers next to our home were to blame," said Sanjay Kasliwal, who is a part of a large joint-family living in C-scheme.

After treatment at the New York Presbyterian Hospital in the US, Pramod Kasliwal has been admitted to Medanta Medicity at Gurgaon. He is critical. "These towers were put up illegally and the Jaipur Municipal Corporation (JMC) has no records for granting any permission for installation of cell phone towers," says Kasliwal.



Sanjay Kasliwal (above) and his brother, who have three cellphone towers next to their Jaipur home, have drawn cancer. They have no family history of cancers. HIMANSHU VYAS/HT PHOTO

### Killer waves

The World Health Organisation's International Agency for Research on Cancer (IARC) says radiation from cellphone handsets and towers is "possibly carcinogenic to humans" and may cause glioma, a type of brain cancer. Towers are more dangerous than handsets because they emit greater-intensity radiation 24x7.

"The area of concern is base-stations and their antennas, which provide the link to and from cellphones. This is because, in contrast to handsets, it (RF) is emitted continuously and is more powerful at close quarters...", said an inter-ministerial committee of experts on electromagnetic radiation exposure from cellphone towers in 2009.

Despite that, the response from government is predictable. "There is no scientific study to prove that anyone has got any health problem due to telecom towers in India. The WHO has prescribed norms on emission of radiation by Telecom Towers. Our norms are much below the WHO norms," said R Chandrasekhar, secretary, department of telecommunications (DoT). "The

### Related Questions

What are the hazards of installing a mobile tower on the roof of my building?

Are mobile phone towers a health hazard?

Is it harmful to live near a mobile phone tower in pregnancy? The tower is atop the building next to ours.

What are the dangers of living next to cell phone towers?

What are the risks of having a mobile phone tower at your rooftop?

Is 4g tower harmful?

Which is unhealthier: living with a cell phone tower, or living with a WIFI router?

How do I check whether mobile/cell phone tower radiation is affecting my house?

I am living on 7th floor and next building has mobile tower on its roof (6th floor). Is it safe to live at same level of mobile tower?

Are mobile towers safe?

Ask New Question

\*

\*

government has set up a committee under the department of science and technology to look into the issues. The matter is continuously under review." [Search for questions](#), [per](#), [Ask New Question](#), [Sign In](#)

But the norms adopted in India in 2009 are already outdated, say experts. "In 2009, India adopted the radiation norms specified by ICNIRP, which are now outdated as they were only intended to protect people against short-term gross heating effects and not against 'biological' effects such as cancers and genetic damage from long-term exposure," says Dr Girish Kumar, professor, department of electrical engineering, IIT Bombay, who submitted a report on Cell Tower Radiation to the secretary, DoT, in December 2010.

"Also, these safety standards are based on 6 minutes/day exposure, without accounting for people who live close to cell towers 24x7. The norms allow EMF of 4,500 mw/sq2," he adds.

Following the Girish Kumar report, the Inter-Ministerial Committee January 2011 report made recommendations to reduce the exposure to 450 mw/m2. "However, even that hasn't been implemented yet," laments Kumar.

By the end of 2010, India had 5.4 lakh cell phone towers, of which Delhi alone has 5,364, including legal and illegal ones.

#### Sickened nation

The problem is not unique to Jaipur. Sushila Shah, 57, housewife and Wadala resident in Mumbai, was surprised when told one of the possible reasons for her cancer was just 50 feet away. There are some 20 cell towers on the terrace of very next building to where she stays. She called in experts to measure radiation levels in their home and found the terrace was in the danger zone with very high radiation, while the bedroom, kitchen and hall were in the caution zone. "Every day, we are faced with a new problem: severe headaches, body ache, fatigue, skin rashes and unbearable itchiness. Towers have been there for three years, they are a menace to society," she says.

In west Delhi's Vikas Puri H-block, the Anands claim even birds avoid their neighbourhood after tower was installed in their locality seven years ago. "All the five towers have been put up in and around the neighbourhood without 'no-objection, certificates being sought from the residents," says AK Anand, who plans to move court to get them removed.

"It is not legal to install cellular towers in residential areas without taking formal consent. People can complain at the MCD's office of their zone," said Mahender Nagpal, leader of the house, north Delhi Municipal Corporation. But complaining to the MCD has not worked for the Anands, who are now planning to move court with some of their neighbours.

#### Searching for a solution

Like them, the Kasliwals approached several regulators and service providers, but nothing happened. "There is no rule in JMC specifically to regulate mobile towers. We tried to make the bylaws for the mobile towers and sent them for approval of the state government, but due to some legal tangle, we still haven't got permission. Now the state government will reply in court and further instruct to JMC," says Jaipur Mayor Jyoti Khandelwal. Tired of the civic authorities and the regulators passing the buck, the Kasliwals filed a writ petition to remove the towers.

#### Related Questions

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