

# Response to post saying that campaigner is under the influence of Russia

## 5G concerns are not Russian propaganda

*From Tanja Katarina Rebel, Cowes:*

IT WAS interesting, not to say entertaining, to read Leon Guzenda's letter (CP, 31-05-19) claiming my concerns regarding 5G are based on 'disinformation spread online by the Russian government channel RT.'

While my name may have a Russian ring to it, may I first of all reassure Leon and others that I have no underhand links whatsoever to the Russians — unlike, it seems, the current US president.

My information is based on facts coming from various independent scientists from across the globe who have no ties to the Russian government or any other government for that matter.

What's more, they have no links to the telecom industry.

Of course, it suits said industry extremely well to claim that genuine concern regarding 24/7 mandatory pulsed millimetre wave radiation is a result of Russian Propaganda. Even the *New York Times* recently peddled this myth, which was fortunately quickly debunked

by Americans for Responsible Technology, who revealed the economic stake of said newspaper in the deployment of 5G.

And it is the same the world over — including in Russia — where economic interests and convenience are put before the precautionary principle and due diligence.

Leo Guzenda further states, 'the higher the radio frequency, the lower its ability to penetrate human skin, significantly lowering risks to the body's internal organs and the brain'.

Again, independent scientists beg to disagree. The skin is our largest organ and intimately connected to our nervous system as well as other organs. Some of the effects independent scientists — not just the Russians — are worried about include:

- Various neurological/neuropsychiatric effects, including changes in brain structure and function.
- Changes in various types of psychological responses and changes in behaviour, at least eight different endocrine (hormonal) effects.
- Cardiac effects influencing the electrical control of the heart, including changes in ECGs, producing arrhythmias, changes that can be life threatening, chromosome breaks and other changes in chromosome

structure.

- Histological changes in the testes.

- Cell death (a process important in neuro-degenerative diseases)

- Oxidative stress.

- Changes in calcium fluxes and calcium signalling.

- Cellular DNA damage.

- DNA changes, also increased rates of tumour promotion-like events.

It is up to the industry and Governments to prove 5G is safe before any roll-out, not for the general citizen to find out after the event.

The precautionary principle should always be paramount.

**Please ensure letters are no longer than 350 words.**

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# A brave man Neil Cannon writes

[FB Group just created.](#)

Welcome everyone. I have created this as I care about people. I care about you. I have a passion for health and vitality and for all things healing. Right now, we have one of the greatest health hazards unfolding before us – the launch of 5G by EE in London. You may wonder what I'm talking about as it's not spoken about in mainstream news.

Once you educate yourself about the effects of 5G on your body (children in particular), you'll just know you won't want to expose yourselves or your children to this. This group is to help you to do that, and to pick up discussion. Sadly, thousands of peer-reviewed studies have been ignored by mainstream media and government, so few people have awareness of this. EMFs have been proven to cause cell and DNA damage – without question. This is categoric. Studies are on this page.

5G is between 10-100 times more powerful than 4G. It's not a pretty picture and we need to take action, now. We do have a choice. We don't need to bury our heads in the sand. We CAN act and say NO. Geneva and Brussels have banned it. London can, too.

I have 2 visions...

- 1) Create a petition of 100,000 signatures so Parliament listens. The current one of 30,000 was dismissed by Parliament.
- 2) Creating a movement of people in London who are willing to resign from their jobs to reach a critical mass;

Dear Mr Boss / Mrs Boss,

In light of the 5G rollout being carried out by EE on 30 May and its unequivocal dangers it poses to human health, I hereby serve my 30 (90) days notice at X.

I have read and understood a sufficient number of the thousands of peer-reviewed studies on the dangers of 5G. They have left no doubt in my mind that the threat is real, true and absolute. I also understand that this is ignored by our government, and mainstream media, and I have decided I must protect myself and my family.

I am happy to return when 5G is banned in London, following the example set forth by Geneva and Brussels.

No pay cheque or amount of money is more important than my health or the health of my family. I am happy to work remotely until this major health hazard is resolved.

Yours sincerely,

X

Human health advocate

Instructions for use:

- 1) Copy and paste into Word and tailor to your needs
- 2) Print off and hand to your boss
- 3) Share this post like wildfire so we reach a critical mass and the government has to act
- 4) Do whatever you can to get educated in 5G and protect yourself and your family for the onset of 5G radiation.

I wonder what the critical mass would need to be in order for the government to take action. Right now, they appear to be ignoring the solid scientific evidence – for which there are 10,000 peer-reviewed studies.

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# Glastonbury Town Council meeting report 11 June by Jon Cousins

[Jon Cousins, a Town Councillor for Glastonbury](#) Like Page

[June 19 at 11:28 AM](#)

With regard to [#Glastonbury](#) Town Council's resolution of the [#5G](#) motion on Tuesday, 11th June, this post contains:

1. a text copy of the Town Council's Press Release of 12th June 2019;
2. an outline plan for the creation of a 5G Advisory Committee.

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PRESS RELEASE:

Glastonbury Town Council

For immediate release:

12th June 2019

Town Council challenges 5G

STARTS

Glastonbury Town Councillors opposed the introduction of 5th Generation (5G) technology in Glastonbury until further information has been obtained on the health effects on residents.

At the Glastonbury Town Council meeting on Tuesday, 11th June a motion proposed by Cllr Mike Smyth and seconded by Cllr Jon Cousins read as follows:

This council has a social responsibility to protect the public and environment from exposure to harm, albeit unpredictable in the current state of scientific knowledge, and therefore

opposes the roll-out of 5G in the Parish of Glastonbury – based on the precautionary principle – until further information is revealed from a newly convened 5G advisory committee (working group).

Cllr Smyth told the packed meeting that for many months, members of the public had raised concerns with the council about the safety of the 5G technology, claiming that it is hazardous to human health and the environment due to the higher radiofrequency, which can interfere with small cells, like those in the body and in plants.

He went on to say, “In April this year, 5G internet roll-out was postponed in Brussels when Celine Fremault, Environment and Energy Minister, identified that it was not compatible with Belgian radiation safety standards of 9 V/m, or 95 mW/m<sup>2</sup>.5.”

Cllr Smyth quoted Celine Fremault statement, that she could not “welcome such technology if the radiation standards, which must protect the citizen, are not respected, 5G or not. The people of Brussels are not guinea pigs whose health I can sell at a profit. We cannot leave anything to doubt.”

The meeting was also told that in April, a planned upgrade to 5G in Geneva was stopped through the application of the precautionary principle, until independent findings on possible health damage become available.

Cllr Smyth finished his address by revealing that in May, more than 230 scientists and doctors from 40 countries appealed to the World Health Organisation calling for a moratorium on 5G wireless technology and that the 5G wireless signal should be moved from a Group 2B Carcinogen to a Group 1, the same as asbestos and arsenic.

He cited their appeal, which states: “We, the undersigned scientists, recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential

hazards for human health and the environment have been fully investigated by scientists independent from industry. 5G will substantially increase exposure to radiofrequency electromagnetic fields (RF-EMF) on top of the 2G, 3G, 4G, WiFi etc. for telecommunications already in place. RF-EMF has been proven to be harmful for humans and the environment.”

Cllr Smyth concluded “This council has a duty of care to the people of Glastonbury and our environment, and we should protect them from potentially harmful situations.”

The motion was approved by the council.

ENDS

[457 words]

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#### OUTLINE PLAN FOR THE CREATION OF A 5G ADVISORY COMMITTEE

1. Glastonbury Town Council will:

i) Ratify the ‘terms of reference’ in accordance with a) Glastonbury Town Council’s Standing Order 46; and b) Glastonbury Town Council’s resolution of 5G motion on Tuesday, 11th June 2019;

ii) Discuss in outline and approve the task and the outputs of the group.

2. Members of the public will be invited to submit expressions of interest to sit on the 5G Advisory Committee. These will be assessed by the councillor members against the parameters set in the initial meeting. Non-councillor members will be invited to join the committee.

3. The first meeting of the committee will be convened – the agenda will include – among other items:

i) A review the business of the committee against the a) terms of reference, b) the tasks, and c) the outputs required.

ii) A discussion and agreement of a suitable period of time in which to complete the committee’s tasks.

iii) The setting of dates and times of future meetings – for the duration of the Advisory Committee’s task as set against the time scale agreed.

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# **Latest from USA Kate Kheel FCC Exposure Standards Suit | PA 5g bill vote canceled | Cities file briefs against FCC**

Editor’s note – from time to time I receive big blocks of news from all parts of the world. There is a certain aesthetic satisfaction in putting the whole lot in but I reserve the option to move certain articles which better belong in other sections of this magazine. My site has a huge amount of data and although the costs are currently reasonable I have to be careful.

## **1. MESSAGE FROM BLAKE LEVITT ON AMICUS BRIEF FILED IN MOCO VS. THE FCC.**

Attached is an invited amicus brief plus exhibits filed by The Berkshire-Litchfield Environmental Council in Montgomery County, Maryland v. FCC. It is focused on flaws in the FCC exposure standards to humans and wildlife pertinent to small cells and 5G. The Montgomery County brief is also attached.

Best,

B. Blake Levitt

[Amicus Brief of BLEC.Filed.pdf](#)

[Amicus Appendix and Exhibitos \(filed\).pdf](#)

[Montgomery\\_Country\\_Brief\[1\].pdf](#)

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### 3. PA CANCELS VOTE ON 5G BILL

**PA. Republicans pull the bill to greenlight 5G antennas as towns say it would undercut their zoning powers.**

by Bob Fernandez, Updated: June 18, 2019

“Pennsylvania lawmakers canceled a vote Tuesday on proposed legislation that would make it easier and cheaper for wireless carriers to blanket cities, towns, and rural areas with thousands of small cell antennas on utility poles for 4G and next-generation 5G wireless services.

It was the third defeat for the Verizon- and AT&T-backed legislation.

Municipal officials and unions said they weren’t consulted on the bill, sponsored by Rep. Frank Farry (R., Langhorne).”

<https://zero5g.com/2019/5g-bill-derailed-in-pennsylvania/https://www.inquirer.com/business/5g-verizon-att-pennsylvania-fcc-antenna-20190618.html>

### 4. CITIES FILED BRIEFS IN LAWSUIT AGAINST THE FCC

**5G: Cities Outline Their Challenges to the FCC’s 5G Rule in Court Filings**

Local governments filed briefs this week in a lawsuit that asserts the FCC overstepped its authority in crafting broad restrictions on municipalities’ ability to regulate and charge for deployment of 5G technology.

<https://www.routefifty.com/management/2019/06/cities-outline-challenges-fcc-5g-rule/157728/>

### 5. A FEW ARTICLES

EVENT: BIOLOGICAL EFFECTS OF WIRELESS TECHNOLOGY

**– International Public Symposium, 4th – 6th October 2019, Mainz.**

Cell Phones, Smartphones, Tablets, Smart Home, Smart City, Internet of Things... The digital transformation of our society is expected to continue with the new 5G standard, largely through mobile and wireless communication. As a result, radiation exposure due to mobile and wireless communication

technologies, their infrastructure and applications will increase enormously.

What health risks are involved? What are the possible consequences for particular groups at risk, especially children and adolescents?

The Board's team of the Competence Initiative for the Protection of Humanity, the Environment and Democracy e.V. is very pleased to invite you in the name of all members, supporters and partners to Mainz. No matter who you are – an expert on 5G or other wireless communication issues, or a person interested in the implications of wireless technologies on health and the environment – we are very much looking forward to welcoming you to our conference in Mainz.

The conference will provide easy-to-understand overviews of the “biological effects” of mobile and wireless communication technologies as well as in-depth discussions that will be as accessible to nonexperts as possible. Internationally renowned speakers will share firsthand information and recommendations in lectures, workshops, documentary films and panel discussions, inviting everybody to join the discussion.

Prof. Dr. rer. nat. Mario Babilon • Prof. Dr. rer. nat. Klaus Buchner • Dr. phil. Peter Ludwig (geschäftsführend) • Prof. Dr. phil. Karl Richter • Barbara Dohmen, Umweltärztin • Dipl.-Ing. Joachim Gertenbach • Dr. med. Monika Krout • Dr. med. Joachim Mutter • Klaus Scheidsteger • Dr. rer. nat. Ulrich Warnke

<https://kompetenzinitiative.com/en/>

**Wise communities are questioning what it means to be “smart,” and recognizing that 5G is getting us nowhere, fast.”**

Why 5G Is Like The Worst Relationship Your Ever Had, (And So Are Smart Meters) June 19th, 2019 | Patricia Burke | Natural Blaze

I don't want to give away the punch line, but just in case you get frustrated by the refrain inserted every 3-4 sentences throughout this article – “there's no water leak” –

I will share that it's the author's way of depicting a smart water meter insinuating itself into our lives every 5-7 seconds as it transmits data to the utility saying, “There is

no water leak.”

“There is a saying that every woman should be lucky enough have one man in her life that she still reminisces about, and one man that she is grateful she did not end up with...or something like that.

(there’s no water leak...there’s no water leak...there’s no water leak)

In addition to security, privacy, cost, aesthetics, and other myriad concerns about the rollout of 5G and other wireless infrastructure, let’s just get right down to it:

(there’s no water leak...there’s no water leak...there’s no water leak)

For many, the 5G network, and smart meters, are like the worst, most instinct injured, least insightful, and least satisfying partnership choice that any man or woman on the planet has ever experienced. “

<https://www.naturalblaze.com/2019/06/why-5g-is-like-the-worst-relationship-your-ever-had-and-so-are-smart-meters.html>

### **Electromagnetic Radiation Safety** June 17, 2019

Albany (NY), Asheville (NC), Ashland (OR), Boston (MA), Cincinnati (OH), Des Moines (IA), Eugene (OR), Fort Myers (FL), Hagerstown (MD), Houston (TX), Medford (OR), Milwaukee (WI), Minneapolis (MN), New Haven (CT), New York (NY), Orlando (FL), Philadelphia (PA), Portland (OR), Raleigh (NC), Rochester (NY), Sacramento (CA), San Diego (CA), San Francisco (CA), and Tucson (AZ)

What do these two dozen cities have in common? In each of these 24 cities local TV stations aired news stories that discussed health concerns regarding 5G cellular technology.

See links to more than 200 TV news stories from the past five years that discussed health risks from exposure to non-ionizing radiation from cell phone, cell tower, and other wireless technology including 60 news stories from the past year at <http://bit.ly/TVwirelessrisks>.

<https://www.saferemr.com/2018/04/wireless-radiation-tv-news.html>

### **Elk Grove Residents Warned About Possible Health Hazards of**

**5G** June 18th, 2019 | Tillie Fong

Article comes highly recommended.

<http://elkgrovetribune.com/elk-grove-residents-warned-possible-health-hazards-5g/>

5G:

<https://www.wakingtimes.com/2019/06/14/5g-danger-13-reasons-new-millimeter-wave-tech-will-be-a-catastrophe-for-humanity/>

**EVENT CALENDAR 5G Crisis is publishing a Take Action Tuesday alert every Tuesday.** To sign up: [report@5gcrisis.com](mailto:report@5gcrisis.com)

Today's

Action: <https://mailchi.mp/fbec092bab4e/5g-take-action-tuesday-the-otard-rule-2935969?e=2842871094>

Please sign up.

**EVENT: Presentations by Dr. Pall. Canada**

July 5 – Bowen Island where there will be a potluck at 5:30 followed by a presentation at 7:00pm. At Bowen Island Cove Commons at the Bowen Island Library, 430 Bowen Island Truck Rd. Contact for more information or to volunteer: Jayeson at [info@hempcrete.ca](mailto:info@hempcrete.ca)

**EVENT: BIOLOGICAL EFFECTS OF WIRELESS TECHNOLOGY – International Public Symposium, 4th – 6th October 2019, Mainz.**

Cell Phones, Smartphones, Tablets, Smart Home, Smart City, Internet of Things... The digital transformation of our society is expected to continue with the new 5G standard, largely through mobile and wireless communication. As a result, radiation exposure due to mobile and wireless communication technologies, their infrastructure and applications will increase enormously.

What health risks are involved? What are the possible consequences for particular groups at risk, especially children and adolescents?

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<https://kompetenzinitiative.com/en/>

### **FEATURED:**

#### **Elk Grove Residents Warned About Possible Health Hazards of 5G**

(with Eric Windheim, Mark Graham, Cindy Russell)

<http://elkgrovetribune.com/elk-grove-residents-warned-possible-health-hazards-5g/>

very very good must read!

### **FEATURED: PLEASE SHARE WIDELY: My article:**

#### **Why 5G Is Like The Worst Relationship You Ever Had, (And So**

## **Are Smart Meters) (more at link)**

There is a saying that every woman should be lucky enough have one man in her life that she still reminisces about, and one man that she is grateful she did not end up with...or something like that.

(there's no water leak...there's no water leak...there's no water leak)

In addition to security, privacy, cost, aesthetics, and other myriad concerns about the rollout of 5G and other wireless infrastructure, let's just get right down to it:

(there's no water leak...there's no water leak...there's no water leak)

**For many, the 5G network, and smart meters, are like the worst, most instinct injured, least insightful, and least satisfying partnership choice that any man or woman on the planet has ever experienced.**

(there's no water leak...there's no water leak...there's no water leak)

In the quest for a business case for new, expensive, ubiquitous, superfast, resource-consuming 5G networks, the industry is talking about the remote surgeries, virtual reality, data-driven decision making, and autonomous vehicles that we all want.

(there's no water leak...there's no water leak...there's no water leak)

In reality, we are already way over the creepy line of the watchers and the watched.

(there's no water leak...there's no water leak...there's no water leak)

Developing a healthy understanding of what is within one's control and what one needs to control is an area of spiritual discernment buried under the clamor of the current tech culture.

(there's no water leak...there's no water leak...there's no water leak)

As society careens toward the belief that each individual appliance has to be controlled at a distance, even from a moving car or airplane, is human demand for control, camouflaged as convenience, writing checks that nature cannot cash?

The answer is yes.

(there's no water leak...there's no water leak...there's no water leak)

The fatal error that is underlying the design of smart meters and 5G is the assumption that customers want a more intimate and immediate real-time relationship 24/7 with their utility or their bank, want to play games, or compete against other utility customers, or have their banking experience re-made so it looks like a coffee shop. There is an assumption that customers want to pay for all of this, one way or another.

(there's no water leak...there's no water leak...there's no water leak)

At least some portion of customers do not want any of this, and want healthy boundaries between intimate relationships with real people and real organizations that they have an affinity with vs. intimate relationships that they do not want, for example with their utility company.

(there's no water leak...there's no water leak...there's no water leak)

<https://www.naturalblaze.com/2019/06/why-5g-is-like-the-worst->

[relationship-your-ever-had-and-so-are-smart-meters.html](https://www.naturalblaze.com/2019/06/why-5g-is-like-the-worst-relationship-your-ever-had-and-so-are-smart-meters.html)

<https://www.naturalblaze.com/2019/06/why-5g-is-like-the-worst-relationship-your-ever-had-and-so-are-smart-meters.html>

**ANTENNAS:** ugly celltower pictures

<https://www.pinterest.com/steelintheair/ugly-cell-towers/>

and:

**APart 2 | Example photos of the good, the bad and the downright ugly**

<https://medium.com/@omarmasry/part-2-example-photos-of-the-good-the-bad-and-the-downright-ugly-ea483f83fe7>

**AUTONOMOUS VEHICLES: Florida will no longer require human drivers in AVs**

<https://www.smartcitiesdive.com/news/florida-will-no-longer-require-human-drivers-in-avs/556955/>

**BIG TECH Censorship: I Know How We Can Hurt Them**

Tech is the endgame! 12-minute video

(message you need to get rid of your smartphone)

<https://www.youtube.com/watch?v=D3r430b0Qss>

links to: Charles Koch Teams Up With George Soros, Patreon and Airbnb to Fight Online Extremism

<https://observer.com/2019/06/koch-brothers-george-soros-patreon-airbnb-fight-online-extremism/>

smartphone penetration by country:

[https://en.wikipedia.org/wiki/List\\_of\\_countries\\_by\\_smartphone\\_penetration](https://en.wikipedia.org/wiki/List_of_countries_by_smartphone_penetration)

**SCHOOLS: Uni students told to switch off laptops, smartphones during lectures**

<https://www.stuff.co.nz/national/education/106245896/uni-students-told-to-switch-off-laptops-smartphones-during-lectures>

**EWASTE: There's a looming waste crisis from Australia's solar energy boom**

<https://theconversation.com/theres-a-looming-waste-crisis-from-australias-solar-energy-boom-117421>

**FCC: FCC Blows Off Warnings AGAIN from Meteorologists, NASA, NOAA and Navy About 5G Interfering with Weather Forecasting**

<https://www.activistpost.com/2019/06/fcc-blows-off-warnings-again-from-meteorologists-nasa-noaa-and-navy-about-5g-interfering-with-weather-forecasting.html>

**FCC: US Justice Dept. set to decide on T-Mobile-Sprint merger next week**

<https://www.financial-world.org/news/news/business/2252/us-justice-dept-set-to-decide-on-tmobilesprint-merger-next-week/>

**5G ACTIVISM CAUTION OPPOSITION**

**4G SAN FRANCISCO with eliza nemser**

hearing before the SF Board of Appeals to protest the approval of a permit for a wireless facility at 2 Grattan St in SF was last Wednesday 6/12. The archived video is at: [http://sanfrancisco.granicus.com/player/clip/33400?meta\\_id=723734](http://sanfrancisco.granicus.com/player/clip/33400?meta_id=723734)

In case you have time to listen to a few portions of the

hearing, the remarks that will be of interest to you (comments relevant to the big picture issues including public health risks, lack of sufficient environmental review, the 2018 FCC order) are brief and listed below:

**14:14 – 16:10** – Appellant Eliza Nemser addresses public health risks of 4G

**35:00 – 35:42** – Verizon attorney addresses public health risks and relevance of FCC guidelines

**36:56 – 41:53** – SF Board of Appeals questions Verizon attorney on public health risks and FCC guidelines

**55:55 – 57:08** – Public comment relevant to public health aspect

**58:51 – 1:01:15** – Appellant Eliza Nemser rebuttal remarks on public health risks and FCC guidelines

**1:09:19 – 1:09:57** – Verizon attorney rebuttal remarks on frequencies and effective SAR

**1:10:34 – 1:11:16** – Verizon attorney rebuttal remarks on federal legislation relating to FCC order & Article 25

**1:30:40 – 1:32:47** – President of Board of Appeals addresses public health risks and relevance of FCC guidelines

**5G: Cities Outline Their Challenges to the FCC's 5G Rule in Court Filings**

**Local governments filed briefs this week in a lawsuit that asserts the FCC overstepped its authority in crafting broad restrictions on municipalities' ability to regulate and charge for deployment of 5G technology.**

<https://www.routeifty.com/management/2019/06/cities-outline-challenges-fcc-5g-rule/157728/>

5G: Local Soccer Mom Versus Multi Billion 5G Industry

25 minute video

<https://www.youtube.com/watch?v=6M7YFI0I9kI>

5G: **What do these two dozen cities have in common?**

## **Electromagnetic Radiation Safety**

**June 17, 2019**

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<https://www.saferemr.com/2018/04/wireless-radiation-tv-news.html>

5G: <https://www.wakingtimes.com/2019/06/14/5g-danger-13-reasons-new-millimeter-wave-tech-will-be-a-catastrophe-for-humanity/>

5G; **Pa. Republicans pull the bill to greenlight 5G antennas as towns say it would undercut their zoning powers.**

<https://www.inquirer.com/business/5g-verizon-att-pennsylvania-fcc-antenna-20190618.html>

## 5G: [Concern grows over European rollout](#)

<https://watershedsentinel.ca/articles/5g-resistance/>

## 5G: Rage Against The 5G Machine | Take The Power Back |

6 ½ minute music video with graphics against 5G.

<https://www.youtube.com/watch?v=IVaAmxLUh3w>

## 5G: Some communities concerned as Harrisburg lawmakers gear up for vote on 5G technology rollout

<https://www.wfmz.com/news/lehigh-valley/some-communities-concerned-as-harrisburg-lawmakers-gear-up-for-vote-on-5g-technology-rollout/1086391317>

### 5G INDUSTRY POLITICS

#### 5G: 5 things about 5G more important than the speed

1. Better quality voice calls
2. More capacity
3. Platooning
4. Mobile broadcasting
5. Human health

While 5G is always talked-up by positive changes, there will always be some negatives.

Perhaps the biggest worry is a potential problem with health – cancer, to be precise – from the installation of many more antennas in urban areas to create 5G networks.

In November 2018, over 180 scientists called for an independent task force to pause the rollout of 5G networks amid concerns about “potential hazards for human health”.

The big worry is an increase in exposure to radio-frequency electromagnetic fields, which we’re already subjected to with

existing mobile phone networks and Wi-Fi routers.

“The telecoms industry is trying to rollout technology that might have very real, unintended harmful consequences... the consequences for the health of humans, plants and animals are not discussed at all,” said Dr L Harrell, Professor of Oncology at Örebro University in Sweden. There is some evidence fueling their concerns, so expect this debate to drag on and on.

<https://www.techradar.com/news/5-things-about-5g-more-important-than-the-speed>

LINKS TO:

<https://www.nytimes.com/2018/11/01/health/cellphone-radiation-cancer.html>

5G: <https://www.fiercewireless.com/5g/telefonica-to-launch-5g-experience-banks-spain>

5G; **Verizon CEO urges FCC to release C-band spectrum**

<https://www.fiercewireless.com/5g/verizon-ceo-urges-fcc-for-mid-band-spectrum-auction>

5G: **NBA taps Verizon to build fiber video network for arenas**

<https://www.fiercetelecom.com/telecom/nba-taps-verizon-for-video-fiber-build-to-connect-all-29-teams>

5G: **Congress wants the Pentagon to move on 5G now**

<https://www.c4isrnet.com/battlefield-tech/2019/06/18/congress-wants-the-pentagon-to-move-on-5g-now/>

**6G: A glimpse into the future? Report predicts 6G features**

<https://www.fiercewireless.com/tech/a-glimpse-into-future-report-predicts-6g-features>

## **OTHER TELECOM: Lowell eyes new broadband network**

### **New network could be game changer**

SiFi Networks is coming with big promises.

Its proposal to lay miles of fiber down every road in Lowell could mean significant changes for the city's average internet user – and at no cost to the city of Lowell.

Late last month, company representatives attended a meeting of a City Council subcommittee, which recommended authorizing City Manager Eileen Donoghue to draft an agreement with the company subject to approval by the City Council.

“This is fantastic and I look forward to you becoming a very key partner for the city,” City Councilor Karen Cirillo said at the end of the meeting.

By installing – then maintaining and updating – a new fiber optic network in the city, SiFi Networks would create infrastructure allowing new internet providers to start offering services in the city. It would, in short, create competition.

Currently, there's one game in town when it comes to internet connection, XFINITY by Comcast. SiFi Networks will not offer new options for cable television.

In a presentation to the subcommittee, Bradshaw said the city could use the network to secure connections between city facilities, introduce WiFi zones, connect cameras to provide security and traffic management, introduce “eHealth” to ensure more patients can be managed from home, use “eLearning” to improve access to education and reduce snow days, run community outreach kiosks or utilize ground sensors to streamline maintenance.

The model SiFi Networks is introducing to Lowell is “revolutionary,” said Sara Pickstock, SiFi Networks marketing

director.

Currently the international company, with U.S. headquarters in New Jersey, has several other cities throughout the nation signed on, though their networks have not yet gone into operation.

This includes Salem, Massachusetts; East Hartford, Connecticut; and Saratoga Springs, New York.

The project in Fullerton, California is the furthest along with construction already underway. Fiber down every street is being laid using a minimally disruptive process called micro trenching.

Bradshaw said he expects some consumers to be able to get service through the network by the end of 2019. The project is privately funded by Whitehelm Capital and APG, a pension network in the Netherlands

SiFi Networks is unusual in being a private company offering an open access network that multiple providers can contract with the company to access.

A2D has a similar model and recently entered into contracts with communities in Georgia, according to Telecompetitor.

“Perhaps the economics of operating an open access network are changing with the advent of 5G and the smart city, and/or perhaps technology advances have made the open access network model more compelling than it was in the past,” Joan Engebretson wrote in Telecompetitor.

Bradshaw told city councilors SiFi Networks initially encountered rejections when the company tried to bring a slightly different model to the United States starting in 2014.

Under that model, SiFi Networks would have built the infrastructure then leased it to the community, which would

have been responsible for contracting with providers on their own.

The model didn't have any takers so they changed focus, according to Bradshaw.

In a statement, CEO Ben Bawtree-Jobson said SiFi Networks plans to generate revenue under their current model by leasing access to the network.

"SiFi Networks is a wholesaler of fiber infrastructure and thus derives their revenues and returns in the same way a Crown Castle or Mobilite would, through effectively leasing access to the network," he said.

If Lowell moves forward with the proposal, building out the network would take less than two years, according to Bradshaw. SiFi Networks would maintain and update it for the next 30 years.

The company said it will need access to every street, passing every building, and pledges to bring at least two new internet providers to Lowell.

Pickstock said the project would be a "game-changer.

Read

more: [http://www.lowellsun.com/local/ci\\_32685718/lowell-eyes-new-broadband-network#ixzz5rEklWUxy](http://www.lowellsun.com/local/ci_32685718/lowell-eyes-new-broadband-network#ixzz5rEklWUxy)

**IOT: The Growth in Connected IoT Devices is Expected to Generate 79.4ZB of Data in 2025, According to a New IDC Forecast**

<https://finance.yahoo.com/news/growth-connected-iot-devices-expected-123000368.html>

**OTHER TELECOM: THE INVISIBLE BATTLE FOR AMERICA'S AIRWAVES**

How a rush of new industrial IoT devices turned up the heat on a decades-old fight for spectrum.

<https://www.popularmechanics.com/technology/infrastructure/a28039878/battle-radiofrequency-spectrum/>

**OTHER TELECOM: AT&T cuts another 1,800 jobs as it finishes fiber-Internet buildout**

1,800 new job cuts in addition to 23,000 AT&T jobs cut since December 2017.

<https://arstechnica.com/tech-policy/2019/06/att-cuts-another-1800-jobs-as-it-finishes-fiber-internet-buildout/>

**HEALTH: Chronic inflammation removes motivation by reducing dopamine in the brain**

<https://www.news-medical.net/news/20190605/Chronic-inflammation-removes-motivation-by-reducing-dopamine-in-the-brain.aspx>

**HEALTH: Microwaves and Alzheimer's disease**

Abstract

Alzheimer's diseases (AD) is the most common type of dementia and a neurodegenerative disease that occurs when the nerve cells in the brain die. The cause and treatment of AD remain unknown. However, AD is a disease that affects the brain, an organ that controls behavior. Accordingly, anything that can interact with the brain may affect this organ positively or negatively, thereby protecting or encouraging AD. In this regard, modern life encompasses microwaves for all issues including industrial, communications, medical and domestic tenders, and among all applications, the cell phone wave, which directly exposes the brain, continues to be the most used. Evidence suggests that microwaves may produce various biological effects on the central nervous system (CNS) and many arguments relay the possibility that microwaves may be involved in the pathophysiology of CNS disease, including AD. By contrast, previous studies have reported some beneficial cognitive effects and that microwaves may protect against

cognitive impairment in AD. However, although many of the beneficial effects of microwaves are derived from animal models, but can easily be extrapolated to humans, whether microwaves cause AD is an important issue that is to be addressed in the current review.

### 3. Conclusion

The impact of wireless communication on human health is a matter of debate. Since there are widespread concerns regarding the deleterious effects of the exposure to microwaves on human tissues and the subsequent potential threat of carcinogenesis, we can conclude that the current exposure to microwaves during the use of cell phones is not safe for long-term exposure, despite the current scientific opinion. Absorption of the cell phone signal into the brain of children does not exclude serious neuronal damage, as evidenced in rat studies (50). In addition, the increased risk of tumors of the head associated with long-term cell phone use is evident since radiofrequency may cause the blood-brain barrier to leak and to favor the damage of genetic material which consists of common precursors to cancer (51). Accordingly, poor fertility and the increased chance of miscarriage and childhood cancer have been associated with cell phone storage in front pockets. Notably, the data suggested that the hippocampus can be injured by long-term microwave exposure (52), which may result in the impairment of cognitive function due to neurotransmitter disruption. These results suggest that precautionary approach underlying the restrictive use of cell phones constitutes essential appropriate guidelines to follow although additional studies are needed.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5038365/>

#### **HEALTH:**

**More Health IT Isn't Always Better, Says HHS Digital Service Director**

<https://www.nextgov.com/it-modernization/2019/06/more-health-it-isnt-always-better-says-hhs-digital-service-director/157790/>

**HEALTH: Robocalls are overwhelming hospitals and patients, threatening a new kind of health crisis**

<https://www.washingtonpost.com/technology/2019/06/17/robocalls-are-overwhelming-hospitals-patients-threatening-new-kind-health-crisis/>

**SATELLITES: Disrupting the night sky: Silicon Valley is launching hundreds of illuminated satellites in an effort to provide the world with better Internet access.**

<https://www.nwaonline.com/news/2019/jun/16/disrupting-night-sky/>

**SATELLITES: How satellites can play a role in the 5G roll out**

Steve Collar of SES says satellites make it “easy” to deploy communication networks “at the edge,” which means that people in rural areas can be connected and have access to applications and services. He also says a technology war won’t have a big impact on the roll out of 5G.

<https://www.cnbc.com/video/2019/06/18/how-satellites-can-play-a-role-in-the-5g-roll-out.html>

**SECURITY: Ransomware attack paralyzes Lake City email, landlines and credit card services**

<https://hotforsecurity.bitdefender.com/blog/ransomware-attack-paralyzes-lake-city-email-landlines-and-credit-card-services-21329.html>

**SECURITY: Linux Kernel Bug Knocks PCs, IoT Gadgets and More Offline**

<https://threatpost.com/linux-kernel-bug-pcs-iot-offline/145797/>

### **SECURITY: Consumers Urged to Junk Insecure IoT Devices**

A security researcher who disclosed flaws impacting 2 million IoT devices in April – and has yet to see a patch or even hear back from the manufacturers contacted – is sounding off on the dire state of IoT security.

<https://threatpost.com/consumers-urged-to-junk-insecure-iot-devices/145800/>

(how lovely for the environment?)

### **SMART CITIES: Cities of Service announces 10 finalists for Engaged Cities awards**

- The 10 finalists this year are: Atlanta; Aurora, IL; Bogota, Colombia; Chicago; Flint, MI; Lakewood, CO; London; Orlando, FL; Plymouth, England; and San Francisco. The cities are recognized for tackling challenges related to the environment and sustainability, health and safety and neighborhood revitalization, among others.

<https://www.smartcitiesdive.com/news/cities-of-service-announces-10-finalists-for-engaged-cities-awards/556941/>

### **SPACE: Our violent Sun**

The upcoming 11-year solar cycle, which kicks off in 2020, is [forecast](#) to be quieter than the last but that doesn't mean we should be complacent about solar storms, experts say.

**Why it matters:** Although rare, an extreme coronal mass ejection (CME) – a large burst of plasma sent out by the Sun – could cause a months-long blackout, harm satellites and cause billions in damage.

- “If you do enough damage with a solar storm, then you

start to take out the basic fabric of society,” solar physicist Scott McIntosh told Axios.

- Space weather can also [pose a danger for astronauts in space.](#)

<https://www.axios.com/solar-storms-damage-e479006a-6c2e-4c7c-a915-5d0ef470cd16.html>

### **SURVEILLANCE: Just When You Thought Surveillance Tech Couldn't Get Any More Orwellian...**

<https://www.activistpost.com/2019/06/just-when-you-thought-surveillance-tech-couldnt-get-any-more-orwellian.html>

### **TRANSPORTATION: DEEP DIVE**

#### **The rise of EVs could overwhelm the grid, but PG&E has a better plan**

#### **A new framework gives utilities a way to identify and seize electrification value with managed charging**

<https://www.utilitydive.com/news/the-rise-of-evs-could-overwhelm-the-grid-but-pge-has-a-better-plan/555984/>

#### **SMART GRIDS: Cyberattacks Make Smart Grids Look Pretty Dumb**

The spread of smart metering and automated control systems has changed that landscape, with more than 10% of global grid investments – equivalent to some \$30 billion a year – now dedicated to digital network infrastructure. The grids of the near future are likely to be increasingly decentralized: Owners of domestic refrigerators, air conditioners and industrial facilities will be compensated for switching off to smooth out demand peaks; home, vehicle, and utility-scale batteries will buy cheap electrons and charge up in times of excess generation.

The problem here is the vast amount of infrastructure needed to support such a setup. Any smart electrical grid needs a parallel telecommunications network to collect and harness

the volumes of data it will generate, and that makes every connected thermostat or smart refrigerator a potential entry point for cyber intruders.

[https://www.washingtonpost.com/business/energy/cyberattacks-make-smart-grids-look-pretty-dumb/2019/06/17/e0dc51b0-90e2-11e9-956a-88c291ab5c38\\_story.html](https://www.washingtonpost.com/business/energy/cyberattacks-make-smart-grids-look-pretty-dumb/2019/06/17/e0dc51b0-90e2-11e9-956a-88c291ab5c38_story.html)

**SMART GRID SECURITY: SECURITY: Kremlin Warns of Cyberwar After Report of US Hacking Into Russian Power Grid**

<https://www.nytimes.com/2019/06/17/world/europe/russia-us-cyberwar-grid.html>

AND

**Utilities are 'the new cyber battlefield,' as US ramps up pressure on Russia's electric grid**

<https://www.utilitydive.com/news/utilities-are-the-new-cyber-battlefield-as-us-ramps-up-pressure-on-russia/557052/>

**SMART GRID IRELAND: Wind farms, electric cars and smart meters in climate action plan**

<https://www.rte.ie/news/ireland/2019/0617/1055808-climate-action-plan/>

**SMART GRIDS: South American outages cast doubt on safety of internet-connected smart grids as experts warn they can easily be hacked**

- Outages in South America have drawn some analysts attention to 'smart' grids
- By connecting grids to the internet, skeptics say security could be compromised
- 'Botnet' attacks may weaponize air-conditioners and heater to overload the grid
- Recent reports show that sophisticated hackers are

**roving the US grid already**

<https://www.dailymail.co.uk/sciencetech/article-7150881/South-American-outages-cast-doubt-safety-internet-connected-smart-grids.html>

**SMART METERS INDIA: Can smart meters re-energise India's crumbling power distribution companies?**

**For India's cash-strapped power utilities, smart meters could lead to much-needed savings.**

<https://qz.com/india/1592927/smart-meters-may-just-be-what-indian-power-distributors-need/>

**SMART METERS OPPOSITION: My article:**

**Why 5G Is Like The Worst Relationship Your Ever Had, (And So Are Smart Meters) (more at link)**

<https://www.naturalblaze.com/2019/06/why-5g-is-like-the-worst-relationship-your-ever-had-and-so-are-smart-meters.html>

**SMART METERS: Bill awaiting Sununu's signature would create statewide database on consumer energy use**

**CONCORD** – Most people think of their electric meter as a one-way device. It records your electricity usage, and someone from the utility comes to read it so you can pay your bill accordingly.

But legislation that has passed the House and Senate and is now awaiting Gov. Chris Sununu's signature could turn electric meters into something consumers pay more attention to as they try to lower their electric bills.

SB 284 would require the creation of a statewide utility database that would allow customers to access and use information from their electric meters about how and when they consume energy.

“Data access and data sharing are essential if consumers are to take full advantage of what the 21st century grid has to offer,” said Consumer Advocate D. Maurice “Don” Kreis, whose office represents the interests of residential utility customers in New Hampshire.

“If this bill becomes law, ratepayers in the Granite State will for the first time be able to share their usage data with service providers who can save them money. That’s a big deal.”

Kreis requested the legislation in his role as consumer advocate, and the bill has been championed by Sen. Martha Fuller Clark, D-Portsmouth, in the House, and Rep. Kat McGhee, D-Hollis, in the Senate.

Thanks to emerging technologies and deregulation, competitive firms vying to be your energy supplier now have the capacity to deliver savings through services like energy efficiency retrofits, solar panels, battery storage, and energy management systems with features like smart thermostats.

“And by ‘real value’ I mean: save customers money and give them more choices,” said Kreis.

Under SB 284, the state’s three investor-owned utilities (Eversource, Liberty and Unitil) will have to develop and operate the database, but the Public Utilities Commission (PUC) will first have to put rules in place to assure oversight.

The PUC would also have to determine that benefits to consumers exceed the cost of the platform, a critical protection given widespread concerns about high energy costs.

Kries credited OCA Director of Finance James Brennan, who came to the OCA six years ago with a background in information technology, with helping the office make data access a top legislative priority for the past session.

“Jim has taught us, and now he has successfully taught legislators as well, that reforms like these will really make a difference for ratepayers,” Kreis said.

During hearings on the bill, utility representatives expressed concerns about privacy and security, and the costs of setting up and maintaining such a program.

A representative for Eversource, the state’s largest distribution utility, said the company already provides several methods for its customers to access their own data and to save costs on their energy usage.

[https://www.unionleader.com/news/politics/state/bill-awaiting-sununu-s-signature-would-create-statewide-database-on/article\\_8bc16e3e-fc85-5c88-bf56-3ede8659d135.html](https://www.unionleader.com/news/politics/state/bill-awaiting-sununu-s-signature-would-create-statewide-database-on/article_8bc16e3e-fc85-5c88-bf56-3ede8659d135.html)

(how to NOT use the word smart meters to prevent scrutiny)

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## Talking points for demos – Facts about 5G

### Talking points for demos

#### Facts about 5G:

1. 5G was never tested for health or safety.
2. it’s a completely different technology from earlier generations. It was previously a weapons technology.
3. The “thermal hypothesis” (= only heating effects) is a lie: the biological effects have been documented since electricity was first generated in 1746. There are at least 20,000+ peer-reviewed research studies on this.
4. Biological effects occur at all different frequencies – it’s not only a question of higher frequencies.

5. 5G will need millions of transmitters, at least every third house, and very close to each home as it does not penetrate solid objects easily.
  6. 5G uses “phased array” antennas, which means up to or more than 1,000 antennas together (not a single antenna, as for 1-4G)
  7. phased array antennas produce laser-like beams – with the Internet of things, people will be assaulted by these laser-like beams millions of times all day, every day
  8. at least 100 million people worldwide suffer from “microwave sickness” and are tortured by electromagnetic radiation – many can no longer work or live in society so are homeless and penniless
  9. 23,000 5G satellites are planned, to “blanket” the Earth in millimeter waves, from which neither people nor nature would be able to escape.
  10. From 1994-2002, the UK house sparrow population declined 75% and it was classed as an endangered species. This coincided with the deployment of mobile phone technology.
  11. When Marconi was experimenting with wireless telegraphy on the Isle of Wight at the end of the 19th century, 90% of the bees died there and all colonies subsequently brought in at the time also died.
  12. How did we get into this situation? Through regulatory capture by industry.
  13. It would be a good idea to make sure that people at demos are familiar with these talking points.
  14. For links to templates for business cards and leaflets see the relevant page of this website [here](#).
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# Glastonbury resistance continues – a success

[Mandie Stone-Outten](#)

[10 hrs \(permalink\)](#)

The lovely people who have worked tirelessly to get thousands of signatures for 2 or 3 Stop 5G petitions in the town, should be thanked for their fantastic work. Some critics on social media are saying that the town council only passed the motion and voted to halt 5G, to protect the tourism industry.

My reply to that was “Everyday people in Glastonbury without any financial/vested interest links to the tourist industry are the ones who have been tirelessly campaigning against 5G in the town for a while now.

Their actions include:-

Standing outside the church protesting and collecting thousands of signatures on around 3 different petitions. Walking the streets collecting signatures. Attending town council meetings. Door to door house-hold leafleting. Providing the town council with the most up-to-date research they can find. Attending council meetings, making Stop 5G t-shirts, constant social media campaigning. It's exhausting and a lot of work but people are doing it because they don't want 5G in the town. The pressure was on and there was a massive turn-out of the public at last nights meeting. At least it is creating further interest/publicity/talking points and raising awareness in 5G for people who hadn't really given it much thought before.”

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# Stop 5G UK – Glastonbury Town Council

[Mandie Stone-Outten](#) to [STOP 5G U.K](#)

Today, Councillor Paul Lund (Glastonbury Town Council) and myself went to the on-site festival office. I delivered my letter for Michael & Emily Eavis and a few pages of info on what I have recently learned of why 5G is unsafe for the festival. I emphasised that it's a massive risk to human health to use the festival site for the as yet unknown technology of 5G.

We were treated very courteously by staff and we have requested for somebody who represents the festival team to come to tonight's Glastonbury Town Council meeting at 7pm, where the motion to Stop 5G in the town will be voted on.

I explained that this would be a good opportunity for Glastonbury Festival representative to be involved in the meeting and have access to all the research that will be provided on the potential dangers of 5G by people in Glastonbury who have been researching for a long time now. I also explained that 5G is a completely different technology to existing 3G/4G.

We were told that EE have said 5G is safe. I explained that EE would say that because they are the telecommunications company who want to sell mobile phones and 5G technology.

I explained that we were there in peace and wanted to work together with festival organisers to ensure that they are completely aware of what the risks of 5G are not only to human health but to the environment too.

We really hope that a representative comes to the meeting.

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# **Arthur Firstenberg special 5G space appeal – News and Needs**

## **INTERNATIONAL APPEAL**

### **Stop 5G on Earth and in Space**

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**There are 100,091 signatories from at least 187 countries as of June 7, 2019.**

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**To the UN, WHO, EU, Council of Europe  
and governments of all nations**

*We the undersigned scientists, doctors, environmental organizations and citizens from (\_\_) countries, urgently call for a halt to the deployment of the 5G (fifth generation) wireless network, including 5G from space satellites. 5G will massively increase exposure to radio frequency (RF) radiation on top of the 2G, 3G and 4G networks for telecommunications already in place. RF radiation has been proven harmful for humans and the environment. The deployment of 5G constitutes an experiment on humanity and the environment that is defined as a crime under international law.*

# Executive summary

Telecommunications companies worldwide, with the support of governments, are poised within the next two years to roll out the fifth-generation wireless network (5G). This is set to deliver what is acknowledged to be unprecedented societal change on a global scale. We will have “smart” homes, “smart” businesses, “smart” highways, “smart” cities and self-driving cars. Virtually everything we own and buy, from refrigerators and washing machines to milk cartons, hairbrushes and infants’ diapers, will contain antennas and microchips and will be connected wirelessly to the Internet. Every person on Earth will have instant access to super-high-speed, low-latency wireless communications from any point on the planet, even in rainforests, mid-ocean and the Antarctic.

What is not widely acknowledged is that this will also result in unprecedented environmental change on a global scale. The planned density of radio frequency transmitters is impossible to envisage. In addition to millions of new 5G base stations on Earth and 20,000 new satellites in space, 200 billion transmitting objects, according to estimates, will be part of the Internet of Things by 2020, and one trillion objects a few years later. Commercial 5G at lower frequencies and slower speeds was deployed in Qatar, Finland and Estonia in mid-2018. The rollout of 5G at extremely high (millimetre wave) frequencies is planned to begin at the end of 2018.

Despite widespread denial, the evidence that radio frequency (RF) radiation is harmful to life is already overwhelming. The accumulated clinical evidence of sick and injured human beings, experimental evidence of damage to DNA, cells and organ systems in a wide variety of plants and animals, and epidemiological evidence that the major diseases of modern civilization—cancer, heart disease and diabetes—are in large part caused by electromagnetic pollution, forms a literature base of well over 10,000 peer-reviewed studies.

If the telecommunications industry's plans for 5G come to fruition, no person, no animal, no bird, no insect and no plant on Earth will be able to avoid exposure, 24 hours a day, 365 days a year, to levels of RF radiation that are tens to hundreds of times greater than what exists today, without any possibility of escape anywhere on the planet. These 5G plans threaten to provoke serious, irreversible effects on humans and permanent damage to all of the Earth's ecosystems.

Immediate measures must be taken to protect humanity and the environment, in accordance with ethical imperatives and international agreements.

**5G will result in a massive increase in inescapable, involuntary exposure to wireless radiation**

## **Ground-based 5G**

In order to transmit the enormous amounts of data required for the Internet of Things (IoT), 5G technology, when fully deployed, will use millimetre waves, which are poorly transmitted through solid material. This will require every carrier to install base stations [every 100 metres](#)<sup>[1]</sup> in every urban area in the world. Unlike previous generations of wireless technology, in which a single antenna broadcasts over a wide area, 5G base stations and 5G devices will have [multiple antennas arranged in "phased arrays"](#) <sup>[2],[3]</sup> that work together to emit focused, steerable, laser-like beams that track each other.

Each 5G phone will contain dozens of tiny antennas, all working together to track and aim a narrowly focused beam at

the nearest cell tower. The US Federal Communications Commission (FCC) [has adopted rules](#) <sup>[4]</sup> permitting the effective power of those beams to be as much as 20 watts, ten times more powerful than the levels permitted for current phones.

Each 5G base station will contain hundreds or thousands of antennas aiming multiple laser-like beams simultaneously at all cell phones and user devices in its service area. This technology is called “multiple input multiple output” or MIMO. FCC rules permit the effective radiated power of a 5G base station’s [beams to be as much as 30,000 watts](#) per 100 MHz of spectrum, <sup>[2]</sup> or equivalently 300,000 watts per GHz of spectrum, tens to hundreds of times more powerful than the levels permitted for current base stations.

## Space-based 5G

At least five companies <sup>[5]</sup> are proposing to provide 5G from space from a combined 20,000 satellites in low- and medium-Earth orbit that will blanket the Earth with powerful, focused, steerable beams. Each satellite will emit millimetre waves with an effective radiated power of [up to 5 million watts](#) <sup>[6]</sup> from thousands of antennas arranged in a phased array. Although the energy reaching the ground from satellites will be less than that from ground-based antennas, it will irradiate areas of the Earth not reached by other transmitters and will be additional to ground-based 5G transmissions from billions of IoT objects. Even more importantly, the satellites will be located in the Earth’s magnetosphere, which exerts a significant influence over the electrical properties of the atmosphere. **The alteration of the Earth’s electromagnetic environment may be an even greater threat to life than the radiation from ground-based antennas (see below).**

# Harmful effects of radio frequency radiation are already proven

Even before 5G was proposed, [dozens of petitions and appeals](#)<sup>[7]</sup> by international scientists, including the [Freiburger Appeal](#) signed by over 3,000 physicians, called for a halt to the expansion of wireless technology and a moratorium on new base stations.<sup>[8]</sup>

In 2015, [215 scientists from 41 countries](#) communicated their alarm to the United Nations (UN) and World Health Organization (WHO).<sup>[9]</sup> They stated that “numerous recent scientific publications have shown that EMF [electromagnetic fields] affects living organisms at levels well below most international and national guidelines”. More than 10,000 peer-reviewed scientific studies demonstrate harm to human health from RF radiation.<sup>[10] [11]</sup> Effects include:

- [Alteration of heart rhythm](#)<sup>[12]</sup>
- [Altered gene expression](#)<sup>[13]</sup>
- [Altered metabolism](#)<sup>[14]</sup>
- [Altered stem cell development](#)<sup>[15]</sup>
- [Cancers](#)<sup>[16]</sup>
- [Cardiovascular disease](#)<sup>[17]</sup>
- [Cognitive impairment](#)<sup>[18]</sup>
- [DNA damage](#)<sup>[19]</sup>
  
- [Impacts on general well-being](#)<sup>[20]</sup>
- [Increased free radicals](#)<sup>[21]</sup>
- [Learning and memory deficits](#)<sup>[22]</sup>
- [Impaired sperm function and quality](#)<sup>[23]</sup>

- [Miscarriage](#)<sup>[24]</sup>
- [Neurological damage](#)<sup>[25]</sup>
- [Obesity and diabetes](#)<sup>[26]</sup>
- [Oxidative stress](#)<sup>[27]</sup>

Effects in children include [autism](#),<sup>[28]</sup> [attention deficit hyperactivity disorder \(ADHD\)](#)<sup>[29][30]</sup> and [asthma](#).<sup>[31]</sup>

Damage goes well beyond the human race, as there is abundant evidence of harm to diverse plant- and [wildlife](#)<sup>[32][33]</sup> and laboratory animals, including:

- [Ants](#)<sup>[34]</sup>
- [Birds](#)<sup>[35][36]</sup>
- [Forests](#)<sup>[37]</sup>
- [Frogs](#)<sup>[38]</sup>
- [Fruit flies](#)<sup>[39]</sup>
- [Honey bees](#)<sup>[40]</sup>
  
- [Insects](#)<sup>[41]</sup>
- [Mammals](#)<sup>[42]</sup>
- [Mice](#)<sup>[43][44]</sup>
- [Plants](#)<sup>[45]</sup>
- [Rats](#)<sup>[46]</sup>
- [Trees](#)<sup>[47]</sup>

Negative [microbiological](#) effects<sup>[48]</sup> have also been recorded.

The WHO's International Agency for Research on Cancer (IARC) concluded in 2011 that RF radiation of frequencies 30 kHz – 300 GHz are possibly [carcinogenic to humans \(Group](#)

2B).<sup>[49]</sup> However, recent evidence, including the latest studies on cell phone use and brain cancer risks, indicate that [RF radiation is proven carcinogenic to humans](#)<sup>[50]</sup> and should now be classified as a “Group 1 carcinogen” along with tobacco smoke and asbestos.

Most contemporary wireless signals are pulse-modulated. Harm is caused by both the high-frequency carrier wave and the low-frequency pulsations.<sup>[51]</sup>

## **The deployment of 5G satellites must be prohibited**

The Earth, the ionosphere and the lower atmosphere form the global electric circuit<sup>[52]</sup> in which we live. It is well established that [biological rhythms](#)—of humans,<sup>[53][54]</sup> birds,<sup>[55]</sup> hamsters,<sup>[56]</sup> and spiders<sup>[57][58]</sup>—are controlled by the Earth’s natural electromagnetic environment and that the well-being of all organisms depends on the stability of this environment, including the [electrical properties of the atmosphere](#).<sup>[59][60][61][62]</sup> [Cherry](#), in a groundbreaking paper,<sup>[63]</sup> explained the importance of the [Schumann resonances](#)<sup>[64]</sup> and why ionospheric disturbances can alter blood pressure and melatonin and cause “cancer, reproductive, cardiac and neurological disease and death”.

These elements of our electromagnetic environment have already been altered by radiation from power lines. [Power line harmonic radiation](#)<sup>[65]</sup> reaches the Earth’s ionosphere and magnetosphere, where it is amplified by [wave-particle interactions](#).<sup>[66][67]</sup> In 1985, Dr. Robert O. Becker warned that power line harmonic radiation had already changed the structure of the magnetosphere, and that the continued

expansion of this effect “threatens the viability of all life on Earth”.<sup>[68]</sup> The placement of tens of thousands of satellites directly in both the ionosphere and magnetosphere, emitting modulated signals at millions of watts and millions of frequencies, is likely to alter our electromagnetic environment beyond our ability to adapt.<sup>[69]</sup>

[Informal monitoring](#) has already provided evidence indicating serious effects on humans and animals from the approximately 100 satellites that have provided 2G and 3G phone service from low orbit since 1998. Such effects cannot be understood only from consideration of the low levels of radiation on the ground. Knowledge from other relevant scientific disciplines must be taken into account, including the fields of atmospheric physics and acupuncture.<sup>[70][71][72][73]</sup> Adding 20,000 5G satellites will further pollute the [global electric circuit](#)<sup>[74][75]</sup> and could [alter the Schumann resonances](#),<sup>[76]</sup> with which all life on Earth has evolved. The effects will be universal and may be profoundly damaging.

## **5G is qualitatively and quantitatively different from 4G**

The idea that we will tolerate [tens to hundreds of times more radiation](#) at millimetre wavelengths is based on faulty modelling of the human body as a [shell filled with a homogeneous liquid](#).<sup>[77][78]</sup> The assumption that millimetre waves do not penetrate beyond the skin completely ignores nerves,<sup>[79]</sup> blood vessels<sup>[80][81]</sup> and other electrically conducting structures that can carry radiation-induced currents deep into the body.<sup>[82][83][84]</sup> Another, potentially more serious error is that phased arrays are not ordinary antennas. When an ordinary electromagnetic field enters the body, it causes charges to move and currents to flow. But when extremely short

electromagnetic pulses enter the body, something else happens: the moving charges themselves become little antennas that reradiate the electromagnetic field and send it deeper into the body. These reradiated waves are called [Brillouin precursors](#).<sup>[85]</sup> They become significant when either the power or the phase of the waves [changes rapidly enough](#).<sup>[86]</sup> 5G will probably satisfy both criteria.

In addition, shallow penetration in itself poses a unique danger to eyes and to the largest organ of the body, the skin, as well as to very small creatures. Peer-reviewed studies have recently been published, predicting [thermal skin burns](#)<sup>[87]</sup> in humans from 5G radiation and [resonant absorption by insects](#),<sup>[88]</sup> which absorb up to 100 times as much radiation at millimetre wavelengths as they do at wavelengths presently in use. Since populations of [flying insects have declined by 75-80 per cent](#) since 1989 even in protected nature areas,<sup>[89]</sup> 5G radiation could have catastrophic effects on insect populations worldwide. A [1986 study by Om Gandhi](#) warned that millimetre waves are strongly absorbed by the cornea of the eye, and that ordinary clothing, being of millimetre-size thickness, increases the absorption of energy by the skin by a resonance-type effect.<sup>[90]</sup> [Russell \(2018\)](#) reviews the known effects of millimetre waves on skin, eyes (including cataracts), heart rate, immune system and DNA.<sup>[91]</sup>

## **Regulators have deliberately excluded the scientific evidence of harm**

Stakeholders thus far in the development of 5G have been industry and governments, while renowned international EMF scientists who have documented biological effects on humans, animals, insects and plants, and alarming effects on health and the environment in thousands of peer-reviewed studies have

been excluded. The reason for the current inadequate safety guidelines is that [conflicts of interest](#) of standard-setting bodies “due to their relationships with telecommunications or electric companies undermine the impartiality that should govern the regulation of Public Exposure Standards for non-ionizing radiation”.<sup>[92]</sup> Professor Emeritus Martin L. Pall lays out the conflicts of interest in detail, and the lists of important studies that have been excluded, in his [literature review](#).<sup>[93]</sup>

## **The thermal hypothesis is obsolete—new safety standards are needed**

Current safety guidelines are based on the [obsolete hypothesis](#) that heating is the only harmful effect of EMFs. As Markov and Grigoriev [have stated](#), “Today standards do not consider the real pollution of the environment with nonionizing radiation”.<sup>[94]</sup> Hundreds of scientists, including many signatories to this appeal, have proven that many different kinds of acute and chronic illnesses and injuries are [caused without heating](#) (“non-thermal effect”) from radiation levels far below international guidelines.<sup>9</sup> Biological effects occur even at near-zero power levels. Effects that have been found at 0.02 picowatts (trillionths of a watt) per square centimetre or less include [altered genetic structure in E. coli](#)<sup>[95]</sup> and [in rats](#),<sup>[96]</sup> [altered EEG](#) in humans,<sup>[97]</sup> [growth stimulation](#) in bean plants,<sup>[98]</sup> and [stimulation of ovulation](#) in chickens.<sup>[99]</sup>

To protect against non-thermal effects, duration of exposure must be considered. 5G will expose everyone to many more transmissions simultaneously and continuously, day and night without cessation. New safety standards are needed and should be based on *cumulative exposure* and *not only on power*

levels but also on frequency, bandwidth, modulation, waveform, pulse width and other properties that are biologically important. Antennas must be confined to specific, publicly identified locations. To protect humans, antennas must be located far from where people live and work, and excluded from the public rights-of-way where people walk. To protect wildlife, they must be excluded from wilderness sanctuaries and strictly minimized in remote areas of the Earth. To protect all life, commercial communications satellites must be limited in number and prohibited in low- and medium-Earth orbits. Phased arrays must be prohibited on Earth and in space.

## **RF radiation has both acute and chronic effects**

RF radiation has both immediate and long-term effects. Cancer and heart disease are examples of long-term effects. [Alteration of heart rhythm<sup>\[100\]</sup>](#) and [changes in brain function \(EEG\)<sup>\[101\]</sup>](#) are examples of immediate effects. A syndrome that was called [radiowave sickness<sup>\[102\]</sup>](#) in the former Soviet Union and is called [electromagnetic hypersensitivity \(EHS\)](#) around the world today<sup>[103]</sup> can be either acute or chronic. Professor Dr. Karl Hecht has published a [detailed history](#) of these syndromes, compiled from a review of more than 1,500 Russian scientific papers and the clinical histories of more than 1,000 of his own patients in Germany. Objective findings include sleep disorders, abnormal blood pressure and heart rate, digestive disorders, hair loss, tinnitus and skin rash. Subjective symptoms include dizziness, nausea, headache, memory loss, inability to concentrate, fatigue, flu-like symptoms and cardiac pain. <sup>[104]</sup>

The [EUROPAEM EMF Guideline 2016](#) states that EHS develops when people are “continuously exposed in their daily life” to

increasing levels of EMFs, and that “reduction and prevention of EMF exposure” is necessary to restore these patients to health.<sup>[105]</sup> EHS should no longer be considered a disease, but an injury by a toxic environment that affects an increasingly large portion of the population, estimated already at 100 million people worldwide,<sup>[106][107]</sup> and that may soon affect everyone<sup>[108]</sup> if the worldwide rollout of 5G is permitted.

The International Scientific Declaration on EHS and multiple chemical sensitivity (MCS), Brussels, declared in 2015 that “[i]naction is a cost to society and is not an option any more...[W]e unanimously acknowledge this serious hazard to public health... [urgently requiring] that major *primary prevention measures are adopted and prioritized, to face this worldwide pan-epidemic in perspective*” (emphasis added).<sup>[109]</sup>

## **World governments are failing in their duty of care to the populations they govern**

In their haste to implement 5G and to encourage the unconstrained use of outer space, the European Union, United States and national governments worldwide are taking steps to ensure a “barrier-free” regulatory environment.<sup>[110]</sup> They are prohibiting local authorities from enforcing environmental laws,<sup>[111]</sup> and “in the interest of speedy and cost-effective deployment”, removing “unnecessary burdens... such as local planning procedures [and] the variety of specific limits on electromagnetic field (EMF) emissions and of the methods required to aggregate them”.<sup>[112]</sup>

Governments are also enacting laws to make wireless facilities a permitted use in all public rights-of-way.<sup>[113]</sup> To date, most

wireless facilities have been located on private property at some distance from homes and businesses. In order for them to be spaced less than 100 metres apart as required by 5G, however, they will now be located on the sidewalk directly in front of homes and businesses and close above the heads of pedestrians, including mothers with babies.

Public notice requirements and public hearings are being eliminated. Even if there were a hearing and 100 scientific experts were to testify against 5G, [laws have been passed making it illegal](#) for local authorities to take their testimony into consideration. US law, for example, prohibits local governments from regulating wireless technology “on the basis of the environmental effects of radio frequency radiation”,<sup>[114]</sup> and courts have reversed regulatory decisions about cell tower placement simply because most of the public testimony was about health.<sup>[115]</sup> Insurers will not provide coverage against EMF risks,<sup>[116]</sup> and there is zero clarity as to what entity will bear legal responsibility for damage to life, limb and property arising from exposure to 5G, whether ground- or space-based.<sup>[117]</sup>

In the absence of an agreed comprehensive legal regime governing activities in outer space, legal liability for those activities is non-existent, despite the prospect of whole continents, the atmosphere and the oceans being put at risk by them.

## **International agreements are being violated**

### **Children and duty of care**

The United Nations [Convention on the Rights of the Child](#): States shall “undertake to ensure the child such protection

and care as is necessary for his or her well-being” (art. 3), “ensure... the survival and development of the child” (art. 6) and “take appropriate measures to combat disease... taking into consideration the dangers and risks of environmental pollution” (art. 24(c)).

[The Nuremberg Code \(1947\)](#) applies to all experiments on humans, thus including the deployment of 5G with new, higher RF radiation exposure that has not been pre-market tested for safety. “The voluntary consent of the human subject is absolutely essential” (art. 1). Exposure to 5G will be involuntary. “No experiment should be conducted, where there is an a priori reason to believe that death or disabling injury will occur” (art. 5). The findings of over 10,000 scientific studies and the voices of [hundreds of international organizations](#) representing hundreds of thousands of members who have suffered disabling injury and been displaced from their homes by already-existing wireless telecommunications facilities, are “a priori reasons to believe that death or disabling injury will occur”.

## **Duty to inform and EMFs**

The [World Telecommunication Standardization Assembly \(2012\)](#) of the International Telecommunication Union (ITU) stated that “[t]here is a need to inform the public of the potential effects of exposure to electromagnetic fields (EMFs)” and invited Member States “to adopt suitable measures in order to ensure compliance with relevant international recommendations to protect health against the adverse effect of EMF”.

[The Mid-term review of the European Environment and Health Action Plan 2004-2010](#) (2008): “The European Parliament... [n]otes that the limits on exposure to electromagnetic fields which have been set for the general public are obsolete, ... obviously take no account of developments in information and communication technologies, of the recommendations issued by the European Environment Agency or of the stricter emission

standards adopted, for example, by Belgium, Italy and Austria, and do not address the issue of vulnerable groups, such as pregnant women, newborn babies and children.”

[Resolution 1815 \(Council of Europe, 2011\)](#): “Take all reasonable measures to reduce exposure to electromagnetic fields, especially to radio frequencies from mobile phones, and particularly the exposure to children and young people.”

## **Environment**

The [Declaration of the United Nations Conference on the Human Environment](#) (1972): “The discharge of toxic substances... in such quantities or concentrations as to exceed the capacity of the environment to render them harmless, must be halted in order to ensure that serious or irreversible damage is not inflicted upon ecosystems” (principle 6).

The [World Charter for Nature](#) (1982): “Activities which are likely to cause irreversible damage to nature shall be avoided... [W]here potential adverse effects are not fully understood, the activities should not proceed” (art. 11).

The [Rio Declaration on Environment and Development](#) (1992): “States have... the responsibility to ensure that activities within their jurisdiction or control do not cause damage to the environment of other States or of areas beyond the limits of national jurisdiction” (principle 2).

The United Nations [World Summit on Sustainable Development](#) (2002): “There is an urgent need to... create more effective national and regional policy responses to environmental threats to human health” (para. 54(k)).

The [African Convention on the Conservation of Nature and Natural Resources](#) (2017): “The Parties shall... take all appropriate measures to prevent, mitigate and eliminate to the maximum extent possible, detrimental effects on the environment, in particular from radioactive, toxic, and other

hazardous substances and wastes” (art. 13).

## Health and human rights

The [Universal Declaration of Human Rights](#): “Everyone has the right to life, liberty and security of person” (art. 3).

The United Nations [Global Strategy for Women’s, Children’s and Adolescents’ Health\(2016-2030\)](#) has as objectives and targets to “transform”, by expanding enabling environments; to “survive”, by reducing maternal and newborn mortality; and to “thrive” by ensuring health and well-being and reducing pollution-related deaths and illnesses.

## Space

The [Outer Space Treaty](#) (1967) requires that the use of outer space be conducted “so as to avoid [its] harmful contamination and also adverse changes in the environment of the Earth”(art. IX)

[The United Nations Guidelines for The Long-Term Sustainability of Outer Space Activities](#) (2018): “States and international intergovernmental organizations should address... risks to people, property, public health and the environment associated with the launch, in-orbit operation and re-entry of space objects” (guideline 2.2(c)).

## World governments are playing dice with life on Earth

Albert Einstein famously asserted that “God does not play dice”.<sup>[118]</sup> Yet by pursuing the broadcast on Earth and from space of 5G, an unprecedented technology of millimetre waves previously used as an energy weapon in [military operations and crowd control](#),<sup>[119]</sup> world governments are recklessly playing dice with the future of life on Earth.

To refuse to accept and apply relevant and valid scientific knowledge is ethically unacceptable. Existing research shows that 5G—and especially space-based 5G—contravenes principles enshrined in a host of international agreements.

## **We call upon the UN, WHO, EU, Council of Europe and governments of all nations,**

(a) *To take* immediate measures to halt the deployment of 5G on Earth and in space in order to protect all humankind, especially the unborn, infants, children, adolescents and pregnant women, as well as the environment;

(b) *To follow* the [United Nations Convention on the Rights of the Child](#) and [Council of Europe Resolution 1815](#) by informing citizens, including teachers and physicians, about the health risks (to adults and children) from RF radiation, and why they should and how they can avoid wireless communication and base stations, particularly in or near day-care centres, schools, hospitals, homes and workplaces;

(c) *To favour and implement* wired telecommunications instead of wireless;

(d) *To prohibit* the wireless/telecommunications industry [through its lobbying organizations](#) from [persuading officials](#) to make decisions permitting further expansion of RF radiation, including ground- and space-based 5G;

(e) *To appoint* immediately—without industry influence—international groups of independent, truly impartial EMF and health scientists with no conflicts of interest, <sup>[120]</sup> for the purpose of establishing new international

safety standards for RF radiation that are not based only on power levels, that consider cumulative exposure, and that protect against *all* health and environmental effects, not just thermal effects and not just effects on humans;

(f) *To appoint* immediately—without industry influence—international groups of scientists with expertise in EMFs, health, biology and atmospheric physics, for the purpose of developing a comprehensive regulatory framework that will ensure that the uses of outer space are safe for humans and the environment, taking into account RF radiation, rocket exhaust gases, black soot, and space debris and their impacts on [ozone](#), <sup>[1211]</sup> [global warming](#), <sup>[1221]</sup> the atmosphere and the preservation of life on Earth. Not only ground-based but also space-based technology must be sustainable <sup>[1231]</sup> for adults and children, animals and plants.

## **Please respond to the Appeal Administrator listed below,**

detailing the measures you intend to take to protect the global population against RF radiation exposure, especially 5G radiation. This appeal and your response will be publicly available on [www.5gSpaceAppeal.org](http://www.5gSpaceAppeal.org).

Respectfully submitted,

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[SIGN IT \(INDIVIDUAL\)](#)

[SIGN IT \(ORGANIZATION\)](#)

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[114] Mobile services, 47 U.S.C. § 332(c)(7)(B)(iv). <https://www.gpo.gov/fdsys/pkg/USCODE-2016-title47/pdf/USCODE-2016-title47-chap5-subchapIII-partI-sec332.pdf>: “No state or local government or instrumentality thereof may regulate personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the [Federal Communications] Commission’s regulations concerning such emissions.” Courts have reversed regulatory decisions about cell tower placement simply because most of the public testimony was about health.

[115] Cellular Telephone Company v. Town of Oyster Bay, 166 F.3d 490, 495 (2nd Cir. 1999). <https://openjurist.org/166/f3d/490/cellular-telephone-company-at-v-town-of-oyster-bay>. Accessed June 10, 2018.; T-Mobile Northeast LLC v. Loudoun County Bd. of Sup’rs, 903 F.Supp.2d 385, 407 (E.D.Va. 2012). <https://caselaw.findlaw.com/us-4th-circuit/1662394.html>. Accessed June 10, 2018.

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[117] Swiss Re: SONAR – New emerging risk insights. July 2014:22. [http://media.swissre.com/documents/SONAR\\_2014.pdf](http://media.swissre.com/documents/SONAR_2014.pdf). Accessed June 10, 2018. “[A]n increasing level of interconnectivity and the growing prevalence of digital steering and feedback systems also give rise to new vulnerabilities. These could involve cascading effects with multiple damages as well as long-lasting interruptions if the problems turned out to be complex and/or difficult to repair. Interconnectivity and permanent data generation give rise to concerns about data privacy, and exposure to electromagnetic fields may also increase.”

[118] Albert Einstein, letter to Max Born, Dec. 4, 1926.

[119] Active Denial Technology. Non-Lethal Weapons Program. <https://jnlwp.defense.gov/Press-Room/Fact-Sheets/Article-View-Fact-sheets/Article/577989/active-denial-technology/>. Published May 11, 2016. Accessed June 10, 2018.

[120] Conflicts of interest have frequently arisen in the past. For example, the [EU Commission \(2008/721/EC\)](#) appointed [industry-supportive members for SCENIHR](#) who submitted to the EU [a misleading SCENIHR](#) report on health risks, which gave the [telecommunications industry carte blanche to irradiate](#) EU citizens. The report is now quoted by radiation safety agencies in the EU. Another example is the US National Toxicology Program contracting with the IT’IS Foundation, which is [funded by the entire telecommunications industry](#), to design, build and monitor the exposure facility for a two-year, 25-million-US-dollar study of cell phones. It subsequently produced a [misleading report](#) that is now quoted by industry officials in the US.

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## unfortunate telephone antenna explosion in Switzerland

Well, that is interesting! Protonmail is Swiss and very suddenly, since I started mentioning Swisscom, I suddenly cannot send out group emails any more without encountering problems! Nun, das ist interessant! Protonmail ist Schweizer und sehr plötzlich, seit ich Swisscom erwähnt habe, kann ich plötzlich keine Gruppen-E-Mails mehr senden, ohne Probleme zu haben!

Eh bien, c'est intéressant! Protonmail est Suisse et tout d'un coup, depuis que j'ai commencé à mentionner la Swisscom, je ne peux plus envoyer des emails de groupe sans rencontrer de problèmes!

**A telephone antenna destroyed by an explosion in Denens (VD) [This is in Vaud, the canton that adopted a moratorium on 5G, immediately after which Swisscom rolled out 5G on the Swiss people. This antenna is owned by Swisscom and Salt.]**

<https://www.rts.ch/info/regions/val-de-romandie/10496248-une-antenne-telephonique-detruite-par-une-explosion-a-denens-vaud-.html>

*Rough translation*

A telephone antenna destroyed by an explosion in Denens (VD)

the newspaper hourly / 21 sec. / at 11:00 am

A telephone antenna was destroyed by an explosion on Sunday morning in Denens (VD). The police prefer the criminal track, even if no claims were found on site.

A loud bang sounded around 5: 00 AM Sunday morning, causing the building to explode, while the fire damaged the cables and part of the mast. There were no casualties. The criminal trail is privileged by the Vaud police, even if no message of claim was found on the spot.

The same antenna, on the other hand, was vandalized about a month ago. Bolts had been loosened, confirmed police spokesman Arnold Poot at the RTS.

The 5G was not planned on this antenna.

The trustee of Denens, Bernard Perrey, is surprised: "this antenna is not the subject of any discussion in the commune". The 5G, which had been debated for so long, was not installed there and no investigation to that effect was under way.

The building that exploded is completely destroyed, the police said in a statement. The antenna was shared by Swisscom and Salt. The duty prosecutor opened a criminal investigation, entrusting the investigation to the security police inspectors.

As regards possible disruptions for customers, spokesman Christian Neuhaus believes that "this will certainly impact households". The only thing left on Monday morning was that he had no knowledge of any complaints.

CPa/tty/bez

Published at 12: 12 pm – modified at 12:16 pm

**Eine Telefonantenne zerstört durch eine Explosion in der Nachfrage (VD) [Dies ist in Waadt, der Kanton, der ein moratorium für 5g angenommen, unmittelbar danach Swisscom rollte 5G auf das Schweizer Volk. Diese Antenne gehört Swisscom und Salt.]**

<https://www.rts.ch/info/regions/val-de-romandie/10496248-une-antenne-telephonique-detruite-par-une-explosion-a-denens-vaud-.html>

Eine telefon-antenne wurde durch eine explosion zerstört in Denens (VD).

Eine telefon-antenne durch eine explosion zerstört in Denens (VD) Das Protokoll fahrplan / 21 s / 11:00

Eine Telefonantenne wurde am Sonntagmorgen in Denens (VD) durch eine explosion zerstört. Die Polizei bevorzugt die

kriminelle Spur, auch wenn keine Forderungen vor Ort gefunden wurden.

Es gab eine starke Detonation gegen 5: 00 Uhr Sonntagmorgen, die den Raum in die Luft sprengte, während das Feuer die Kabel und einen Teil des Mastes beschädigte. Keine Verletzten zu beklagen. Die spur der kriminellen ist privilegiert, die von der waadtländer polizei, auch wenn keine nachricht, die forderung wurde auf der stelle gefunden.

Die gleiche antenne war jedoch vor etwa einem Monat Gegenstand eines Vandalismus gewesen. Schrauben wurden gelöst“, bestätigte der sprecher der polizei, Arnold Poot in die RTS.

Die 5G war auf dieser antenne nicht vorgesehen.

Der gemeindepräsident von Flüelen, Bernard Perrey, ist überrascht: “Diese antenne ist nicht gegenstand irgendeiner diskussion in die gemeinde“. Die so diskutierte 5G war dort nicht eingerichtet, und es wurde keine entsprechende Untersuchung eingeleitet.

Das Gebäude, das explodierte, ist völlig zerstört, sagt die Polizei in einer Mitteilung. Die antenne wurde gemeinsam von Swisscom und Salt. Die Staatsanwältin leitete eine strafrechtliche Untersuchung ein und beauftragte die Inspektoren der Sicherheitspolizei mit der Untersuchung.

In Bezug auf mögliche kundenstörungen meint Sprecher Christian Neuhaus, dass “dies sicherlich Auswirkungen auf die Haushalte haben wird“. Aber am Montagmorgen hatte er keine Beschwerden.

CPa/ats/ebz

Veröffentlicht um 12: 12-Geändert um 12: 16

----- Original Message -----

On Monday, June 10, 2019 2:14 PM, XXXX wrote:

[Une antenne téléphonique détruite par une explosion à Denens \(VD\) https://www.rts.ch/info/regions/vaud/10496248-une-antenne-telephonique-detruite-par-une-explosion-a-denens-vd-.html](https://www.rts.ch/info/regions/vaud/10496248-une-antenne-telephonique-detruite-par-une-explosion-a-denens-vd-.html)



## **Une antenne téléphonique détruite par une explosion à Denens (VD)**

Une antenne téléphonique a été  
détruite par une explosion  
dimanche matin à Denens (VD). La  
police privilégie la ...