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5G Cell Phone Radiation: How the Telecom Companies Are Losing the Battle to Impose 5G Against the Will of the People

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The telecommunications companies and the mainstream media would have you believe that the race to roll out 5G is unstoppable. That you are nothing and no one in the face of a lethal multi-trillion-dollar agenda imposed by some of the most powerful entities on the planet.

They thought that if they called their new, alleged "communications technology", adapted from the military [Active Denial Technology](#), "5G" or fifth generation, the public would just assume that it was more of the same as 4G, 3G or 2G. And if they could characterise the rollout as a race, the public would not have enough time to find out what a killer technology 5G is. How wrong they were! Not only has the public found out, but now they know how lethal previous generations of wireless technology – to be used concurrently with 5G – are as well.

Below is the evidence from a number of different countries that the pushback is huge and growing. The telcos have lost the propaganda war, despite their control of the mainstream media, from which not a whisper of the dangers of 5G is heard, and of social media and Youtube, who have been desperately deleting millions of accounts to silence the naysayers.

As this article went to press, support arrived from an unexpected source. In an impassioned speech before the [United Nations General Assembly on 24 September 2019](#), [UK Prime Minister Boris Johnson](#) stated that digital authoritarianism is not the stuff of dystopian fantasy but of an emerging reality. [He described the Internet of Things, "smart" cities and AI as a giant, dark thundercloud lowering ever more oppressively over the human race](#), a gathering force reshaping the future of humanity over which the human race has no control and from which, in future, there may be nowhere to hide.

He asked if algorithms could be trusted with our lives and hopes and whether machines should be allowed to doom us to a cold and heartless future in an Orwellian world designed for censorship, repression and control. He recalled the [Universal Declaration of Human Rights](#) and endorsed its ideals of upholding freedom of opinion and expression, the privacy of home and correspondence, and the right to seek and impart information and ideas

He exhorted the academic committees, company boards and industry standards groups who are writing the rulebooks of the future, making ethical judgements, and choosing what will or will not be rendered possible to find the right balance between freedom and control, between innovation and regulation, between private enterprise and government oversight. He insisted that the ethical judgements inherent in the design of new technology must be made transparent to all and that joint efforts must be made to agree a common set of global principles to shape the norms and standards that will guide the development of emerging technology.

What follows is a citizen journalist's list of the actions taken to halt 5G and reports and complaints that have discredited this Machiavellian attempt to foist a disastrous technology on the world in 2019. It is not an exhaustive list and I extend my apologies to all those whose efforts I may have overlooked here and much gratitude to all who have contributed to making this pushback so successful.

However, we cannot afford to be complacent and, in particular, we must work to stop the use of the Earth orbits and the stratosphere to beam 5G down to Earth, for this puts the ionosphere and the entire planet at risk. We must also work to ensure that the use of street lights with blue light for this anti-life agenda is rapidly reversed.

The effort to stop 5G is still gathering momentum and we must continue to work together and tirelessly to protect all life on Earth and the planet itself until this demented plan is relegated to the history books as the most Mephistophelian scheme in the history of humankind.

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| 1 | US
2018 | Scientist Says 1 in 2 children born in 2025 will be autistic – something is clearly causing this health crisis of historic proportions . "If you take the data that the CDC has provided since 1975 and plot it, you can see that it's an exponential growth curve. You can extend the line. ... My feeling is that things are worse than the line. So I think that 1 in 2 in 2025 is not an unreasonable prediction." |
| 2 | USA
24 June 18 | Author Naomi Wolf reports EMF reactions, cloud anomalies and their correlation with irritable and stressed behaviour in New York. |
| 3 | Taiwan
28 Dec 18 | Taiwan's five wireless carriers say that they will not rush to roll out 5G services in the absence of a profitable business model to sell the revolutionary technology, in spite of all the use cases that have been suggested. |
| 4 | Switzerland
2018 | The government appoints a group of experts to probe the risks involved with introducing 5G , whose findings should be published by the end of 2019. The Swiss Federation of Doctors also urges caution, maintaining that "as long as there is no scientific proof that raising the radiation limits will not impact health, one must refrain from raising them." |
| 5 | Austria
4 January 19 | After 5G is officially switched on in Vienna in November 2018 , former UN staff member reports Vienna's first EMF injuries. |
| 6 | Austria
11 January | Court of Auditors slams corrupt "smart" meter contract award for defrauding electricity and gas customers . Concerns about data protection and about power disruption were ignored, energy savings were exaggerated and customers were assured that they would have no extra costs, but left to pick up a 1 billion euro bill for the installation . |

7	Europe 13 January	Journalist group Investigate Europe publishes "The ICNIRP Cartel: Who's Who in the EMF Research World, an interactive graphic", exposing conflicts of interest among ICNIRP members .
8	USA 14 January	Congresswomen Eshoo and Speier introduce BillHR530 to block FCC cell tower pre-emption and preserve local government control and invalidate the Federal Communications Commission's (FCC) 26 September 2018 ruling to accelerate the deployment of 5G small cells throughout the US.
9	USA 14 January	Russia Today (RT) America airs the first of 7 reports on the dangers of 5G: 5G Wireless: A Dangerous 'Experiment on Humanity' . "Is there a catch?", asks the presenter. "Just a small one", comes the reply, "It just might kill you". The segment is viewed 1.8 million times.
10	European Commission 14 January	The Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) rates the potential effects on wildlife of increases in electromagnetic radiation from 5G a maximum 3 in terms of scale, urgency and interactions with other ecosystems and species, stating that "The lack of clear evidence to inform the development of exposure guidelines to 5G technology leaves open the possibility of unintended biological consequences".
11	Italy 16 January	The Lazio regional administrative court decrees that the ministries of environment, health and education have six months to launch information campaigns on the risks associated with the use of mobile phones .
12	USA 25 January	The Illinois Supreme Court rules that a woman can sue Six Flags Great America for fingerprinting her child without telling her how the data would be used in violation of the state's biometric law. "This is no mere 'technicality,'" Chief Justice Lloyd Karmeier writes in the opinion. "The injury is real and significant."
13	Italy 30 January	An Italian Court in the city of Monza rules the acoustic neuroma brain tumour of an airport employee to be an occupational disease caused by exposure to the radiation from a cell phone he used for over 10 years for his work.
14	USA 6 February	US Senator Blumenthal definitively establishes that no safety studies have been done on 5G .
15	USA February	At least 21 US cities/regions pass ordinances restricting "small cell" installation , and many are charging "recertification fees" to make it unprofitable for the wireless industry.
16	USA 9 February	Sierra Club California Conservation Committee adopts resolution to ask the National Sierra Club to take an oppose position to the deployment of 5G and small cell technology without local input and environmental review. The Sierra Club was founded in 1892 and is the oldest and largest grassroots environmental organization in the US.
17	Switzerland 18 February	Study: Radiation From Smartphones May Impair Memory In Teens . A research team at the Swiss Tropical and Public Health Institute says that radio frequency electromagnetic fields (RF-EMF) may negatively affect an adolescent's brain from cellphone exposure, causing potentially harmful effects on his or her memory performance. The authors say having the device close to one's head lead to the greatest amount of radiation exposure.
18	UN 22 February	The Planetary Association for Clean Energy (PACE) submits a statement to the UN revealing that allowable international "radiation limits will have to be increased by 30 to 40%" in order to make 5G deployment technologically feasible and calls 5G "an experiment on humanity that constitutes cruel, inhuman and degrading treatment" in violation of more than 15 international treaties and agreements.
19	ICNIRP 3 March	Eric Van Rongen , Chair of ICNIRP [self-proclaimed international commission on non-ionizing radiation protection, but actually just a German NGO], the organisation whose non-transparent pronouncements on the international limits at which phones can emit radiofrequency are strangely adopted by UN bodies, calls 5G "a public health experiment" , stating that "It will be necessary to gain more information about the exposure and any health problems that might come from an effect of that exposure".
20	UK 3 March	The Daily Telegraph asks, Do smartphones cause cancer? World Health Organisation to assess brain tumour link.
21	USA 7 March	A class action lawsuit is filed against the FCC by 62 entities and municipalities across the USA. aimed at first slowing down and then vacating the FCC "order and declaratory ruling purporting to streamline the deployment of wireless facilities by pre-empting local government authority".
22	Netherlands 9 March	Utrecht City Council decides unanimously to postpone decision-making on 4G and 5G infrastructure on new lamp posts until the risks to health and privacy are better understood .
23	France 10 March	Popular French astrophysicist and philosopher Aurélien Barrau causes a storm In France when he announces on Twitter "5G kills ... We have already killed 70% of the living (with almost no global warming). Do we want to choose life or the speed of the telephone network?"
24	Guernsey 11 March	Call to halt 5G technology in Guernsey due to health fears , ITV News.
25	UK 17 March	Insurers announce premature death trend . British insurer Legal & General CEO says: "There's been a long discussion about whether this is a blip or a trend, and sadly it's looking like a trend."
26	Germany 20 March	Without invoking the precautionary principle, the Federal Office for Radiation Protection (BfS) admits that the effects of the higher frequencies of 5G are not yet well researched and advises that 5G should be developed cautiously. It states that consideration needs to be given to whether people will be exposed to much higher radiation.
27	UK 23 March	Sacha Stone publishes documentary 5G Apocalypse: The Extinction Event . (565,354 views as at 3 October 2019).

28	USA	Portland, Oregon city officials state clear opposition to the installation of 5G networks around the city, supported by the mayor and two commissioners.
	24 March	
	Italy	Florence applies the precautionary principle , refusing permissions for 5G and referring to "the ambiguity and the uncertainty of supranational bodies and private bodies (like ICNIRP)", which "have very different positions from each other, despite the huge evidence of published studies".
29	28 March	
	Italy	One Roman district votes against 5G trials , with others expected to follow. Other motions to Stop 5G are expected in the four regional councils, one provincial council and other municipal councils of Italy.
30	28 March	
	Russia	The Russian Ministry of Defence refuses to transfer frequencies for 5G , which effectively delays any 5G rollout there for several years.
31	28 March	
	USA	New Jersey Congressman Andy Kim sends a letter, noting that, "Current regulations governing radiofrequency (RF) safety were put in place in 1996 and have not yet been reassessed for newer generation technologies."
32	28 March	
	Belgium	Belgian Environment Minister announces that Brussels is halting the 5G rollout , saying, "The people of Brussels are not guinea pigs whose health I can sell at a profit." It turns out that there is now no methodology to effectively measure the radiation of MIMO antennas, which have the characteristic of varying field in time, space and intensity, unlike antennas used for 2G, 3G and 4G, which emit radiation of constant intensity and space. Celine Fremault therefore asserted that, as this technical obstacle was not resolved, she would not go further in the legislative process.
33	31 March	
	USA	The Blue Cross Blue Shield health insurance association reports that millennials – the first generation to grow up using cell phones – are experiencing an unprecedented decline in their health when they reach their late 20s .
34	April	
	EU	An EU report admits that 5G is a massive experiment, lamenting that "it is not possible to accurately simulate or measure 5G emissions in the real world" and stating that "complex interference effects ... may result, especially in dense urban areas."
35	April	
	International	Avid traveller, 33, dies on a Los Angeles to Melbourne flight she had flown many times before – as friends say they're at a 'complete loss' as to what killed the 'happy and healthy' tech executive. Aviation health & safety in the digital age – radio-frequency (RF) exposure from mobile devices and in flight WiFi: A new human factor?
36	2 April	
	Germany	54,600 Germans sign a petition to force the German Bundestag to debate 5G .
37	4 April	
	Netherlands	Members of Parliament in the Netherlands insist that radiation research must be carried out before any approval of the 5G network .
38	4 April	
	USA	The California Supreme Court publishes an opinion supporting municipal authority to make regulations on so-called 'small cell' PROW (public right of way) towers and uses of the public's right-of-way. This opinion affirms the 2016 appellate court ruling .
39	4 April	
	USA	The California Supreme Court Justices unanimously uphold a 2011 San Francisco ordinance requiring telecommunications companies to get permits before placing antennas on city infrastructure.
40	5 April	
	Switzerland	The Canton of Vaud adopts a resolution calling for a moratorium on 5G antennas until the publication of a report on 5G by the Swiss Federal Office for the Environment.
41	9 April	
	Switzerland	Geneva adopts a motion for a moratorium on 5G , calling on the Council of State to request WHO to monitor independent scientific studies to determine the harmful effects of 5G.
42	10 April	
	France	French lawmaker Jean-Paul Lecoq raises the wide range of risks posed by the 5G deployment in the National Assembly.
43	11 April	
	USA	Oregon Representative Peter A. DeFazio, House Transportation and Infrastructure Committee Chairman, writes a letter to FCC Chairman Ajit Pai and acting FDA Commissioner Sharpless regarding the status of the government's research into the potential health effects of RF radiation and its relation to the FCC's guidelines for safe human RF exposure levels.
44	15 April	
	USA	New York Congressman Thomas Suozzi sends a letter to the FCC seeking answers about the technology . "Small cell towers are being installed in residential neighborhoods in close proximity to houses throughout my district. ... My constituents are worried that should this technology be proven hazardous in the future, the health of their families and value of their properties would be at serious risk."
45	16 April	
	Switzerland	The Federal Office for the Environment (FOEN) sends a 7-page information letter to all cantonal governments for the purpose of "calming the situation". It claims that the new 5G adaptive (directional) antennas would mean much lower exposures for the population: "The beam cone is now aligned directly to the user and in all other radiation directions the radiation is lower [sic]."
46	17 April	
	Switzerland	The Swiss government announces the introduction of a monitoring system to assuage concerns about the potential health impact of fifth-generation (5G) mobile frequency emissions and smooth the cutting-edge technology's rollout. The move comes as some Swiss cantons balk at authorizing new antennas needed to support 5G services after a spectrum auction in February that raised 380 million Swiss francs (\$377 million).
47	17 April	
	US	Energy sector says 5G network could exponentially increase energy consumption . Two recent studies (by UTC and the Electric Power Research Institute) unearth possible problems with 5G technologies, including but not limited to, cyberthreats to the electric grid, lack of infrastructure to accommodate the network of small cells and sensors needed to expand 5G access, lack of private networks, and potential health concerns since 5G microwave bands are 10 times the frequency of
48	22 April	

		previous mobile devices. 5G portends more devices, which increases power demand, which increases the need for more spectrum among utilities.
49	International April 2019	The World Health Organization's International Agency for Research on Cancer (IARC) announces that <u>reassessment of the classification of non-ionising radiation (radiofrequency) in the list of agents carcinogenic to humanity is to be given a high priority.</u>
50	USA 26 April	The US National Oceanic and Atmospheric Administration (NOAA) and NASA clash with the Federal Communications Commission (FCC), which oversees US wireless networks, saying that <u>next-generation mobile technology could interfere with crucial satellite-based Earth observations.</u>
51	France 26 April	<u>French farmers sue the state over mystery cow deaths they blame on electromagnetic fields.</u> A group of French cattle farmers is suing the state over the mysterious death of hundreds of cows, which they believe are the victims of harmful electromagnetic fields. Several studies have shown that livestock, particularly cattle, are affected by even low-level electromagnetic fields
52	Swiss Re May	Insurance company Swiss Re's report on <u>New Emerging Risk Insights</u> states that "Existing concerns regarding potential negative health effects from electromagnetic fields (EMF) are only likely to increase. An uptick in liability claims could be a potential long-term consequence. ... interruption and subversion of the 5G platform could trigger catastrophic, cumulative damage." <u>A legal opinion by a Danish law firm</u> states that rolling out 5G is illegal under EU and international law: <i>It is the conclusion of this legal opinion that establishing and activating a 5G-network, as it is currently described, would be in contravention of current human and environmental laws enshrined in the European Convention on Human Rights, the UN Convention on the Rights of the Child, EU regulations, and the Bern- and Bonn-conventions. ... This also applies when the radiation remains within the limits recommended by ICNIRP and currently used in Denmark as well as broadly within the EU.</i>
53	Denmark 4 May	<u>Danish group Landsindsamlingen mod5G announces it is suing the Danish state</u> for having planned the implementation of the new 5G mobile network throughout Denmark by the year 2020 without conducting any kind of health test in relation to the long-term exposure of people or consideration of the harmful effects on the unborn, children and nature.
54	Denmark 4 May	<u>Meteorologists warn that the introduction of 5G mobile phone networks could seriously affect weather forecasters' ability to predict major storms</u> by disrupting the delicate satellite instruments they use to monitor changes in the atmosphere. The result will be impaired forecasts, poorer warnings about major storms, and loss of life, they say.
55	International 4 May	<u>Minister for the Environment believes continued digitalisation will fuel future environmental problems.</u> "Information technology's impact on the environment and nature has been underestimated. It will further increase consumption of energy and raw materials and lead to greater consumption and increased traffic".
56	Germany 9 May	French health authority ANSES warns in a 400-page report that <u>LED lights in your house can cause irreversible damage to the eyes</u> and lead to a vision-robbing condition.
57	France 15 May	Montecitori Palace, Rome, Italy Stop 5G: <u>a parliamentary motion commits the Government to the moratorium.</u>
58	Italy 20 May	The US National Oceanic and Atmospheric Administration (NOAA) and US National Aeronautics and Space Administration (NASA) <u>criticize FCC plans for opening a 24 GHz spectrum band</u> to 5G telecommunications providers, stating that US weather forecasting capabilities would be set back decades. The matter is on the <u>agenda</u> for international <u>treaty</u> negotiations at the International Telecommunication Union's <u>World Radio Conference (WRC)</u> in the fall of 2019, but with respect to 24 GHz, the Department of State has already <u>submitted</u> the FCC's out-of-band emission limits as <u>the US position during preliminary negotiations.</u>
59	USA 22 May	<u>Apple is selling your iTunes listening data despite its privacy claims, a lawsuit alleges.</u> Apple Inc. was sued by customers who claim the company is unlawfully disclosing and selling information about people's iTunes purchases as well as their personal data, contrary to the company's promise in advertising that "What happens on your iPhone stays on your iPhone."
60	USA 25 May	The US state of <u>Louisiana unanimously votes to stop 5G</u> , calling for study of effects on health and environment before 5G is launched (<u>Resolution 145</u>).
61	USA 29 May	An <u>LED lamp post is destroyed in France.</u>
62	France 31 May	<u>Ongoing lawsuits against the US Federal Communications Commission (FCC) over the constitutional overreach</u> in the rollout of 5G:
63	USA June 2019	<ul style="list-style-type: none"> • National League of Cities (19,000 cities & towns) • US Conference of Mayors (1,192 cities) • National Association of Counties (3,069 counties) • National Association of Regional Councils (500 councils and metropolitan & regional planning organizations) • National Association of Towns and Townships (10,000 towns) • National Association of Telecommunications Officers & Advisers (local government officials) • Colorado Communications Utility Alliance • League of Arizona Cities and Towns • League of California Cities • League of Oregon Cities • Michigan Coalition to Protect Public Rights of Way • Michigan Municipal League • Michigan Townships Association • Texas Coalition of Cities for Utility Issues • 7 Counties • 45 Cities
64	Europe	EMFOff publishes an exposé of corruption at the World Health Organization: <i>The WHO Cover-Up</i>

	June	That is Costing Us the Earth. Video and PDF document.
65	Canada June	In Toronto, the Canadian Civil Liberties Association files a court application to stop (Alphabet/Google subsidiary) Sidewalk Labs' "smart city" project as "unconstitutional" because it would allow "historically unprecedented, non-consensual, inappropriate mass-capture surveillance and commoditization of personal data."
66	Australia June	Step-by-Step Action Plan: We say No to 5G in Australia : devised by barrister Raymond Broomhall, who has stopped 25K antenna projects across Australia.
67	Ireland June	Councillor Clare Collohan Molloy, with support from other councillors, raises concerns to Clare County Council about dangers of 5G.
68	Switzerland 4 June	The Canton of Fribourg introduces a licensing requirement for 5G antennas in order to give those affected a chance to object.
69	Russia 6 June	A man living in the Tver region saws down a cell tower because he believes the radiation from it is destroying the vegetable, berry and fruit crops growing on his land located nearby.
70	Switzerland 10 June	A telephone antenna is destroyed by an explosion in Vaud, Switzerland.
71	UK 11 June	Glastonbury Town Council opposes the introduction of 5G technology in Glastonbury until further information has been obtained on the health effects on residents, adopting the following motion: <i>"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)."</i>
72	UK 11 June	Shadow Minister (Environment, Food and Rural Affairs) David Drew asks the Secretary of State for Digital, Culture, Media and Sport, what discussions he has had with the providers of 5G on whether they have made any provision for personal liability on health and safety grounds and whether any provision has been made for white zones . He also asks the Secretary of State for Health and Social Care, what investigations the Government has commissioned on the health and safety implications of the 5G rollout.
73	USA 12 June	5G installer discusses the consequences of 5G . Current radiofrequency emitted by cell towers uses relatively low power (1.5-2.8 MHz), which at short range superheats the water molecules in your brain, eyes and testicles. It dissipates over distance as it has a long wave trough. 5G will be up close, in offices, outside homes, everywhere, including in the back of self-driving cars. It broadcasts in GHz not MHz — 30 GHz is 15,000 times more powerful than current previous levels.
74	Ireland 18 June	A motion calling on Clare County Council to oppose the rollout of 5G on health grounds is backed by the elected representatives.
75	USA 18 June	Pennsylvania lawmakers cancel a vote on proposed legislation to facilitate infrastructure next-generation 5G wireless services. It is the third defeat for the Verizon- and AT&T-backed legislation.
76	US 20 June	The Centers for Disease Control and Prevention report that US suicide rates are at the highest level since World War II . Life expectancy, perhaps the broadest measure of a nation's health, has fallen for three straight years, the first three-year drop since 1915 to 1918.
77	UK 25 June	UK parliamentary committee discusses concerns about the health effects of electromagnetic fields and 5G, especially with regard to electrohypersensitivity Tonia Antoniazzi, MP, asks why the inaccurate and discredited 2012 report of AGNIR is still on the Public Health England website. Transcript. Video (from 16. 35).
78	France 25 June	"Bees are producing nothing!": French beekeepers announce a catastrophic year for French honey.
79	USA 27 June	The state of New Hampshire asks a series of questions about 5G in Bill HB 522 .
80	USA 27 June	US Senator Dianne Feinstein introduces SB 2012 , "Restoring Local Control Over Public Infrastructure Act of 2019", to repeal FCC rules that limit state and local government control over telecom infrastructure. The bill is supported by the US Conference of Mayors, National Association of Telecommunications Officers and Advisors, American Public Power Association, Communications Workers of America, National Association of Counties, League of California Cities and American Public Works Association.
81	France 27 June	After victories for "electrohypersensitive" (EHS) people in Toulouse (March) and Bordeaux (May), the Tribunal de grande instance of FOIX issues a decision protecting EHS people who cannot tolerate dirty electricity diffused by "smart" meters.
82	Glastonbury, UK 29 June	Glastonbury festival-goers are used as guinea pigs in a 5G trial and document multiple injuries online.
83	Europe 29 June	The European Stop 5G Alliance comprising representatives from 19 European countries is officially founded at an international conference in Mendrisio, Switzerland.
84	France July	French baby-clothing firm Petit Bateau decides not to wait for the "conclusive" data and launches clothing line to protect babies from electromagnetic radiation.
85	Ireland	Councillor Orla Leyden proposes a motion with Roscommon County Council to oppose 5G and this

	July	is passed.
86	USA 1 July	The Ninth Circuit Court of Appeals affirms the City of Berkeley's right to require cell phone retailers in the city to notify prospective customers about cell phone manufacturers' safety guidelines to ensure consumer safety, adopted in May 2015.
87	Russia 1 July	In the Urals, police detain a woman who tried to burn down a communications tower because of concerns about health . The woman believed that her malaise and insomnia related to the fact that this tower was located directly near her home.
88	USA 3 July	Prof. Em. Martin L. Pall states that 5G effects will take months, not years , and he expects a breakdown in mental function, sterility, damaged heart function and societal collapse.
89	Italy 4 July	60 regions, autonomous provinces and municipalities question 5G, a moratorium is established in Italy and 14 municipalities approve Stop 5G city council resolutions or motions . The Mayor of Marsaglia issues Italy's first Stop 5G ordinance: <i>It "has been shown in four studies (Rea 1991, Havas 2006, 2010, McCarty et al. 2011) that it is possible to identify people with electromagnetic hypersensitivity and demonstrate that they can be tested using objective, measurable responses, demonstrating that these subjects truly are hypersensitive when compared with normal controls; that other studies show that there are true and proper physiological changes in subjects with electrosensitivity and that two studies (De Luca, Raskovic, Pacifico, Thai, Korkina 2011 and Irigaray, Caccamo, Belpomme 2018) demonstrated that electrosensitive people have high levels of oxidative stress and a prevalence of certain genetic polymorphisms, which may suggest a genetic predisposition; that the European Parliament in its 2009 Resolution and the Assembly of the Council of Europe with Resolution No. 1815 of 2011 called on member states to recognize electrosensitivity as a disability, in order to give equal opportunities to those affected"</i> . The Mayor of San Gregorio Matese bans the installation of 5G antennas on the municipal territory.
90	Russia 4 July	Ban on cell phones in schools expected in September 2019.
91	Ireland 4 July	Councillor Justin Warnock calls on Leitrim Council to halt the roll-out of 5G on health grounds.
92	Switzerland 2 July	Renowned Swiss law firm provides legal opinion stating that the Swiss Federal government's modification of its ordinance to privilege directional antennas is not legally admissible because it would undermine health protection.
93	Switzerland July	As a result of the above legal opinion, the Swiss Canton of Zug suspends ongoing licensing procedures.
94	USA 8 July	California Assembly Bill 272 asks all school districts, county offices of education, and charter schools to come up with smartphone policies to limit or prohibit student use at school.
95	Australia 8 July 2019	Australian telcos brace for a possible public backlash against the rollout of 5G mobile networks. Some local councils have received expressions of concern about 5G even before the network has been rolled out in their areas.
96	Russia 9 July	President Putin emphasizes the environmental risks of new technologies , saying "Hopes that the new technologies themselves will save the planet from the growing anthropogenic influence turned out to be illusions. Nature and climate degradation continues."
97	EU 14 July	Galileo, the EU global navigation satellite system, is non-operational for at least four days as of 11 July following a mysterious outage. The Galileo satellite system was launched in 2016 and was funded by the EU as an alternative to the US Air Force's Global Positioning System (GPS) and the Russian global navigation satellite system GLONASS.
98	International 16 July	The telcos belatedly realise that the public has found out about the dangers of 5G and launches a propaganda war of fake news, starting with The New York Times . It blames all the bad news on 5G on the Russians, and this meme is taken up and repeated obediently by major media outlets around the world , including the BBC, Le Monde (owned by Xavier Niel who owns telco "Free") The Guardian , The Infographics Show , Yahoo Australia and Wired Online .
99	France 18 July	French NGO Alert Phonegate launches class action lawsuit against telco Nokia for selling "smart" phones that were shown by the French National Frequency Agency (ANFR) to exceed the European specific absorption rate (SAR) limit. This deception is facilitated by the entry into force of the new European Directive (2014/53/EU), which has relaxed controls by allowing manufacturers to self-certify their products.
100	Ireland 22 July	Roscommon County Council opposes the testing of 5G and the rollout of 5G in County Roscommon.
101	Switzerland 26 July	The Green party in Lausanne (Vaud) insists on the precautionary principle , saying that 5G antennas are being installed while the consequences of these new technologies are not known. Green representatives call for a moratorium in Vaud and commit to opposing all new antennas until they receive clear and satisfactory answers relating to the impact of 5G.
102	USA 28 July	Bees dropping out of the sky near two 5G cell towers, California.
103	Austria 8 August	The Austrian parliament commissions a study on the health effects of 5G networks in response to concern from the public, without invoking the precautionary principle, which is enshrined in EU law.
104	Switzerland	Swiss mainstream magazine L'illustré reports on the injuries of Geneva's first 5G victims : " With 5G, we feel like guinea pigs ".

	5 August	
	USA	
105	9 August	The US Court of Appeals for the D.C. Circuit finds that the <u>FCC did not adequately address the potential harms of deregulation</u> or the benefits of environmental and historic-preservation reviews.
	USA	
106	9 August	<u>The Oregon state legislative assembly declares a health emergency in Senate Bill 283</u> and directs the state health authority to review studies of the health effects of exposure to RF-radiation in schools and to recommend how to reduce children's exposure in schools and to report back not later than 2 January 2021.
	USA	
107	9 August	The Natural Resources Defense Council, joined by various American Indian tribes, as well as the National Association of Tribal Historic Preservation Officers and the National Trust for Historic Preservation, win a victory when the <u>federal appeals court in D.C. ruled that the FCC illegally eliminated historic-preservation and environmental review</u> —and important opportunities for public participation—for 5G wireless infrastructure projects. Emphasizing the importance of such review, the court held that that the FCC's attempted explanations for the elimination "did not meet the standard of reasoned decision-making."
	United Nations	
108	19 August	The <u>UN Human Rights Council invites inputs on the possible impacts, opportunities and challenges of new and emerging digital technologies</u> with regard to the promotion and protection of human rights, with a view to preparing a report and holding a panel discussion at its 44th session.
	USA	
109	21 August	The Chicago Tribune finds that <u>popular cell phones tested for radiofrequency radiation measure over the legal safety limit</u> , in some cases more than double what Apple reported to federal regulators from its own testing. The FCC is investigating.
	USA	
110	23 August	<i>Cardiology Magazine</i> reports on smart phones and obesity. A poster abstract, presented at the Latin America Conference 2019, found that <u>university students who used their smartphones five or more hours a day had a 43 percent increased risk of obesity</u> .
	Russia	
111	26 August	Oleg Gregoriev, Chairman of the Russian National Committee on Non-Ionizing Radiation Protection, states that " <u>5G may be like a slow Hiroshima</u> ".
	Spain	
112	26 August	<u>Ombudsman says that National 5G Plan has not undergone environmental assessment</u> . The Secretary of State for Digital Advancement ignored a number of articles of Law 21/2013 on Environmental Assessment, and ongoing pilot 5G projects use a band of frequencies for which the limits for safe exposure have not been fixed, which is contrary to the precautionary principle.
	USA	
113	26 Aug-1 Sept	The <u>5G Crisis Awareness and Accountability Summit</u> attracts 200,000+ viewers from around the world, who send over 200,000 liability letters to their government representatives.
	USA	
114	30 August	<u>Tesla solar panels are catching fire</u> . Amazon and Walmart have both been burned. Walmart is suing. Installations at all 29 Walmart stores showed signs of gross negligence and many were unsafe.
	Australia	
115	Sept	Australian barrister Ray Broomhall reveals that children are being exposed to magnetic fields from cell phones that breach WHO's recommended 0.3µT safety limit by a factor of 20,000. (<u>Slide show</u> .)
	Russia	
116	1 Sept	<u>The Russian Defence Ministry refuses to hand over 3.4–3.8 GHz for 5G</u> because these frequencies are used for satellite communications, instead suggesting that 4.4–4.99 GHz be used, which are popular only in China and Japan.
	Kuwait	
117	1 Sept	<u>The Kuwait Times publishes an article on the threats to health from 5G technology</u> , recommending that cell towers be distanced from homes, daycare centers, schools, and places frequented by pregnant women, men who wish to father healthy children, and the young".
	Ireland	
118	2 Sept	<u>Leitrim Councillors vote to oppose 5G rollout across the county</u> .
	USA	
119	3 Sept	<u>T-Mobile cancels 5G installation nationwide</u> . Anonymous employee blames 15 states' lawsuits against the Sprint merger.
	Canada	
120	3 Sept	On learning that Montreal would serve as a "living laboratory" designed to test 5G technology (50-60K antennas planned for Montreal), <u>Guy Boulianne calls it a criminal act and calls for a people's movement to oppose the deployment of 5G</u> in Montreal and elsewhere. François Croteau, Director of the "Smart" city project, said that <u>this "urban laboratory" would "enable the different branches of public health, federal and provincial, to come in and do analyses to see the potential impacts on public health"</u> , adding that the studies conducted to date on the subject had been "contradictory". The NGO <i>Action Judiciaire contre la 5G</i> (Legal Action Against 5G) intends to use all the legal means at its disposal to demand from all the authorities concerned an urgent halt to the deployment of the 5G wireless network, including from satellites in space: <u>the Nuremberg Code</u> , the <u>Rome Statute of the International Criminal Court</u> , the <u>Crimes Against Humanity and War Crimes Act</u> , human rights, the <u>Universal Declaration of Human Rights</u> , the <u>Canadian Charter of Rights and Freedoms</u> and the <u>Charte des droits et libertés de la personne</u> (Charter of Rights and Freedoms of the Person).
	Canada	
121	3 Sept	
	Ireland	
122	7 Sept	<u>Sligo County Council votes to delay the testing and rollout of 5G</u> in the county.
	USA	
123	11 Sept	<u>Cellphone Users Sue Apple and Samsung Over Radiation Exposure</u> . Andrus Anderson in San Francisco is representing 16 plaintiffs against Apple and Samsung in a controversy some in the medical and scientific community are allegedly calling "Phone Gate."
	International	
124	12 Sept	Based on data from a <u>2017 survey of a 6th floor apartment in Östermalm in Stockholm with a GSM/3G/4G LTE base station just 12 metres away</u> , it is extrapolated that <u>666,000 such base stations would be needed before ICNIRP's ludicrously high so-called safety guidelines were breached</u> .

- 125 **International** [Edward Snowden describes his role in the creation of the totalitarian surveillance state](#), enabling the new wave of authoritarianism by the political and commercial classes that are realizing they can use technology to influence the world on a massive scale, bringing societies' systems under attack.
- 13 Sept
- Switzerland**
- 126 [5G opponents block applications on 320 out of 326 antennas](#). 5G opponents have raised objections to almost all of the applications for planning permission for antennas.
- 13 Sept
- UK**
- 127 [Smart meter rollout delayed by four years](#). The government's deadline to have smart meters in 30 million homes by the end of 2020 has been pushed back to 2024.
- 16 Sept
- Australia**
- 128 [TPG \(Total Peripherals Group\) abandons mobile network due to health fears](#). Chief operating executive Craig Levy says TPG had become nervous about community concerns over its small-cell 4G network rollout, concerns that he considers "rational".
- 17 Sept
- International**
- 129 [Hits on a single popular music video burn as much energy as 40,000 US homes use in a year](#). [Despacito](#) set an Internet record in April 2018 when it became the first video to [hit five billion views on YouTube](#). The 5G Infrastructure Public Private Partnership (5G PPP), a joint initiative between the European Commission and European ICT industry, promises [savings of up to 90% of energy per service provided](#). Will that be enough, since they are "facilitating very dense deployments of wireless communication links to connect over 7 trillion wireless devices"?
- 18 Sept
- United Nations**
- 130 [UK Prime Minister Boris Johnson](#) describes the Internet of Things, "smart" cities and AI as a giant, dark thundercloud lowering oppressively over the human race, threatening a cold and heartless future in an Orwellian world designed for censorship, repression and control. He appeals for joint efforts on agreeing a common set of global principles to shape norms and standards to guide the development of emerging technology.
- 24 Sept
- Cyprus**
- 131 The Parliamentary Committees on Health and Environment in Cyprus hold discussions on the negative aspects of 5G. Proposals are put forward to freeze 5G deployment and keep Cyprus radiation-free as a detoxing zone attractive for tourism.
- 26 Sept
- Italy**
- 132 [Italian parliament to vote on 7 October for a moratorium to stop the 5G rollout throughout Italy](#). The text proposes that the government should suspend any form of technological experimentation of 5G in Italian cities, pending the production of sufficient scientific evidence to judge its harmlessness.
- 26 Sept
- US**
- 133 [Journal Municipal Lawyer](#) publishes article entitled [Putting the Cart Before the Horse – The FCC's '5G First, Safety Second' Policy](#), which states that the FCC should have completed the review of its RF standards before opening the floodgates for the deployment of hundreds of thousands of small cell transmitters for 5G. The rules adopted by the FCC in 1996 were designed to protect only against the thermal effects of RF exposure.
- Sept-Oct
- International**
- 134 The authors of [5G Wireless Communication and Health Effects—A Pragmatic Review Based on Available Studies Regarding 6 to 100 GHz](#), funded by Deutsche Telekom, state that "The available studies do not provide adequate and sufficient information for a meaningful safety assessment, or for the question about non-thermal effects and conclude that, "In summary, [the majority of studies with MMW exposures show biological responses](#)".
- Sept
- USA**
- 135 [Lawsuit filed over cell phone radiation](#). A new lawsuit claims that cell phone companies may try to hide how much radiation their devices emit. West Des Moines Iowa Attorney Bart Goplerud files [lawsuit claiming that Apple and Samsung misrepresent safety risks](#).
- 25 Sept
- Czech Republic**
- 136 In the [Czech parliament](#), [Ing. Pavel Jelink](#) addresses the Minister of Health regarding the dangers of 5G technologies for the health of citizens.
- 26 Sept
- Germany**
- 137 [Manager](#) magazine reports that protests by hundreds of protest groups aiming to stop 5G are hindering the multibillion 5G rollout. [Mast-Hass: Wie Proteste das Multimilliardenprojekt bremsen](#).
- October
- European Parliament**
- 138 MEPs Philippe Lamberts, Michèle Rivasi and Klaus Buchner invite Dr. Marc Arazi of Phonegate, Prof. Em. Martin Pall and European Stop 5G Alliance promoter Maurizio Martucci to a [press conference to discuss the health risks of 5G and the precautionary principle](#).
- 1 October
- South Africa**
- 139 The [Supreme Court of Appeal affirms Cape Town's constitutional mandate to regulate and control the use of land within its municipal borders](#). The judgement sets an important precedent that all telecommunications service providers, inclusive of state-owned Telkom, must obtain the City's approval prior to installing cell phone masts in Cape Town.
- 1 October
- International**
- 140 The first [IoT privacy study](#) examines the data-sharing activities of 81 different "smart" devices commonly found in people's homes, finding that 72 of the 81 IoT devices shared data with third parties completely unrelated to the original manufacturer (and not just in the U.S. or UK).
- 1 October
- France**
- 141 A group of French NGOs calls for a [moratorium on the rollout of 5G](#), saying it could ["push the planet and our society into a world with out-of-control consequences"](#).
- 2 October
- Ireland**
- 142 [Councillor calls for more debate on use of 5G technologies](#). Cllr Kevin Murphy raised the motion at a meeting of West Cork local authority last week and said the issue of 5G might not be something that will affect people now, but will do so in the future. Fears over claims that 5G mobile technology may be linked to cancer.
- 2 October
- UK**
- 143 [Stop 5G campaigner John Kitson addresses UKIP party conference](#).
- 2 October
- USA**
- 144 [Erin Brockovich firm joins citizens 5G lawsuit](#) brought by [People's Initiative Foundation](#) against the FCC and the 1996 Telecom Act.
- 3 October
- UK**
- 145 [Town of Totnes, Devon bans installation of 5G](#). Totnes mayor Jacqi Hodgson, a Green Party county councillor, said: "Our concern is that there will be a much higher blanket of radiation all around us."
- 6 October

146	Russia 7 October	New Russian list of EMF hazard and prohibition signs for wireless users and general public. The Russian National Committee on Non-Ionizing Radiation Protection is calling for the release of new EMF hazard warning signs for wireless users of mobile phones and other EMF sources. (Examples of stickers for wireless devices, including for pregnant women.)
147	USA 10 October	Liability claims from fires force Pacific Gas & Electric to turn off power to 700K customers. Five out of the 10 most destructive wildfires in California history were at least in part the fault of equipment belonging to PG&E, the utility company that delivers power to 16 million people in the top half of the state. In part because of liability claims from victims of past fires, \$8.4 billion worth, PG&E is in the midst of bankruptcy .
148	UK 10 October	British household-products maker Dyson says it can't produce an electric vehicle that's commercially viable. Even the most established automakers have had trouble making money from electric vehicles. Research suggests automakers' heavy investments in electrification could lead to a \$60 billion drop in pre-tax profits through 2023.
149	USA 10 October	Internet service providers in the United States have spent more than \$1.2 billion on lobbying since 1998, and 2018 was the biggest year so far, with a total spend of more than \$80 million.
150	UK 11 October	Kingsbridge Town Council passes 5G resolution in response to requests for them to stand together with councils from Totnes, Glastonbury, and Frome and adopt a moratorium on 5G infrastructure.
151	France 11 October	French National Frequencies Agency (ANFR) announces the withdrawal from the market and the recall of the ECHO Horizon Lite phone following measures to control the specific absorption rate (SAR) "trunk", which revealed that the authorized regulatory limit had been exceeded. This is the 18th smartphone model to be identified in France by ANFR for exceeding the SAR "trunk" or "head".
152	UK 11 October	EM Radiation Research Trust puts UK government on notice regarding 5G amidst profound worldwide health concerns, calling for an outright ban for risky untested 5G technology in response to the UK Government's consultation calling for proposed reforms to the permitted development rights for the deployment of 5G to extend mobile coverage. Click here to download letter of notice.
153	USA 11 October	Telecoms want to hide detailed 5G installation maps from the public and the Feds. AT&T misled consumers about 5G availability by renaming a large portion of its 4G network "5G E" . Reporting detailed 5G maps would show just how sparse the networks are, even in cities where it's been rolled out. Outside densely populated areas, Verizon says that 5G will be more like "good 4G." Want to curb climate change? Then get off the internet! Every day, people watch more than a billion hours of video on YouTube. Researchers at the University of Bristol calculated that in 2016, people watching videos on YouTube resulted in about 11.13 million tons of carbon dioxide equivalent, a standard unit of measure that indicates carbon footprint. That's similar to the amount of greenhouse gases emitted by a city the size of Frankfurt, Germany, or Glasgow, Scotland, over a year.
154	Canada 12 October	
155	USA 13 October	Massachusetts utility regulators investigate why one of their utility companies is not keeping its promises on solar power, electric vehicles, and cybersecurity despite significant customer rate increases.
156	UK 13 October	Council bosses argue against Government's 5G mast-planning proposals. Blackburn with Darwen Council officials have voiced concern that local planning authorities are seeing their powers reduced.
157	Hawaii 14 October	5G drone project over Hawaii halted. Research Corporation of the University of Hawaii (RCUH) withdraws its Use Determination Application from the Lana'i Planning Commission.
158	UK 15 October	EM Radiation Research Trust sends a second letter to the British government: 5G to be or not to be? – that is the question.
159	USA 16 October	Microsoft Says 30% of IoT projects fail in proof-of-concept stage. Security experts warn IoT's vulnerability and 74% failure rate can cause catastrophic events.
160	Netherlands 17 October	Multi-billion-dollar liability action launched against 5G telecom companies. The <i>Nationale Bond tegen Overheidszaken (NBO</i> ; National Union Against State Affairs) has launched a liability suit with 4,000 claimants to date. A charge is payable of €1,000 per day on which 5G is active, together with a charge of €2,000 when a 5G antenna is located within a radius of 250 metres of a claimant's home. Each claimant may be legally entitled to an annual fee of up to €730,000 if the 5G network is activated. The action is based on earlier NBO litigation successes against the health insurance companies. The liability action is operating from 27 September to 31 October 2019.
161	France 24 Sept	The French Agency for Food, Environmental and Occupational Health & Safety (ANSES) has been mandated to examine "the possible health impact of new technological developments, starting from the trial phase" of 5G. The results should be published before the end of 2019.
162	UK 14 October	Brighton and Hove City Council join growing list of local authorities banning 5G masts. Brighton and Hove City Council is the latest local authority in the UK to ban the installation of new 5G masts because of a perceived risk to public and ecological health.
163	France 21 October	Recommendations made by the French Agency for Food, Environmental and Occupational Health & Safety (ANSES) call upon the public authorities and industry to face their health responsibilities. "Given that the SAR limit value (2W/kg) has been exceeded for a large number of phones placed on the market under the previous European directive (R&TTE) when used in contact with the trunk, the evolution of practices has led to increasing use close to the body (very small or no distance between the device and the body), and uncertainties about various long-term health effects ..."
164	UK 21 October	Shepton Mallet will not see 5G rolled out in the foreseeable future after the Council blocked the idea over apparent health concerns. At a town development and planning meeting held on 8

		October, Shepton Mallet Town Council invoked the precautionary principle and decided to delay any decision on 5G coming to the area.
	UK	
165	28 October	Did Coventry's 5G smart ambulance knock birds out of the sky? (video – starts at 2.26)
	Germany	
166	November	Mayor of Bad Wiessee in Bavaria, Germany invokes precautionary principle and rejects 5G rollout. (Deutsche)
	Ireland	
167	12 November	Sinn Féin supports calls for a government review into the health impacts of 5G rollout.
	France	
168	18 November	4 times more new cases of glioblastoma in 2018 according to Public Health France. Dr. Marc Arazi, President of Phonegate Alert, says, "Over the last two decades, nearly 50,000 people have been affected in France by this extremely aggressive brain tumour, which has a very high mortality rate. It was also during this period that mobile telephony exploded and industrialists knowingly over-exposed us to the waves of our mobile phones. ... Public authorities can no longer deny the evidence and must urgently protect the health of tens of millions of users.
	Australia	
169	19 November	Telco Telstra has called on the government to help combat a misinformation campaign on the health risks of 5G that has been carried out "on a scale we have not seen" before, driven by social media. Mike Wood, Telstra's principal for electromagnetic energy strategy, governance and risk, said, "[People] often don't trust Telstra."
	Spain	
170	19 November	Spain starts tracking mobiles but denies spying. Millions of Spanish mobile phone users are being tracked this week as part of the government's census, in a move that critics fear is a step closer towards spying on the population. Statistics agency INE insists the eight-day project is anonymous and aimed at getting a better idea of where Spaniards go during the day and night. The three biggest mobile companies are taking part in the scheme. They say that by handing over the data they are not breaking any laws.
	Russia	
171	20 November	Federation Council announces preparation of a law governing electromagnetic radiation. "We are now starting work on a law that would regulate electromagnetic radiation, said Senator Vladimir Krugly. Earlier, Russian scientists completed a 14-year study on the effects of radiation from smartphones and cell phones on children and concluded that they negatively affect the health of the younger generation.
	US	
172	20 November	Sacopee Valley (Maine) 8th grade science class investigates Wi-Fi. Proof of the danger to life of Wi-Fi.
	International	
173	21 November	Amnesty International: "Surveillance giants" Facebook & Google "threaten human rights" with data-grabbing. Tech titans Google and Facebook employ "surveillance-based business models" that threaten human rights and erode privacy worldwide, Amnesty International said in a new report, calling for an end to the data-grabs.
	Russia	
174	24 November	Crew calls for help as co-pilot falls ill mid-flight in Russia and dies just after emergency landing. Aviation health & safety in the digital age – radio-frequency (RF) exposure from mobile devices and in flight WiFi : A new human factor? France issues decree and order on exposure to waves emitted by radioelectric equipment. "Tablets, connected watches, radio-controlled toys... From 1 July 2020, the Specific Absorption Rate (SAR) will be displayed on all radioelectric equipment likely to be used in the vicinity of the human body (up to 20 centimetres). To date, this display requirement only applies to mobile phone devices." The permissible SAR limit values are: <ul style="list-style-type: none"> • 2 W/kg (watts per kilogram) for head and trunk • 4 W/kg for limbs Reminder: In an opinion dated 21 October 2019, the National Agency for Food, Environmental and Occupational Health & Safety (ANSES) states that some expert reports highlight biological effects on brain activity when exposed to a SAR level above 2 W/kg.
	France	
175	24 November	
	US	
176	24 November	Cell tower company President tells child she will not get cancer if tower is installed at her school even though his son got leukemia and his school had a tower (video). [Note that he does not say that there is <i>no</i> evidence – he says that there is no " credible " evidence that his son got cancer from that cell tower.] Cancer clusters near cell towers have been reported at locations all over the world. It's not unreasonable that people everywhere – including elected officials – are trying to prevent them from being installed near schools.
	Australia	
177	24 November	City of Sydney's submission to government 5G enquiry: " We will not be willing to sacrifice trees in favour of network performance. Similarly, we need to consider the aesthetic and physical impacts of a potentially large volume of physical infrastructure which is located based on network performance only."
	US	
178	25 November	Veteran investigative journalist (and former CBS News investigative reporter) Sharyl Attkisson shows how " astroturf " or fake grassroots movements, funded by political, corporate, or other special interests very effectively manipulate and distort media messages.
	Ireland	
179	27 November	Laois County to suspend 5G deployment due to health concerns and non-coverage by insurance companies.
	Greece	
180	2 December	Town of Kalamata in Greece votes to not renew the contract for a 5G pilot programme on its expiry at the end of 2019.

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Claire Edwards, BA Hons, MA, worked for the United Nations as Editor and Trainer in Intercultural Writing from 1999 to 2017. Since May 2018, she has collaborated with Arthur Firstenberg to publish the *International Appeal to Stop 5G on Earth and in Space* (www.5gspaceappeal.org), which is available in 30 languages. The Appeal has attracted over 153,000 individual and group signatories from more than 207 countries as of 7 October 2019. Claire warned the Secretary-General about the dangers of 5G during a meeting with UN staff in May 2018, calling for a halt to its rollout at UN duty stations.

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