

5G Realities

First – Truth is Ridiculed

Second – It is Violently Opposed

Third – It is Accepted as Self-Evident

Part 3

T-Mobile Swallows Sprint, Leaving 3 US Cellphone Giants

Consumer advocates fear the deal will reduce competition and lead to higher prices. But regulators and a federal judge let it proceed.



John Legere stepped down as CEO of T-Mobile after reviving the company and overseeing its acquisition of rival Sprint.

T-Mobile completed its acquisition of [Sprint](#) Wednesday, officially reducing the number of major mobile carriers in the US from four to three.

With the deal closed, [T-Mobile](#)'s outspoken CEO John Legere stepped down, as planned, and was replaced by company president Mike Sievert.

	Millimeter Wave (Fastest)	Mid-Band (Mid Speed)	Low-Band (Slowest)
 AT&T	✓	✓	✓ used temporarily until faster 5G is ready
Sprint 		✓	
 T-Mobile			✓
 verizon	✓	✓	

(c) Texas News Express

Now there are just 3. AT&T has kept their 5G off the radar by using the Low Band until their system is fully operational. This saves on energy costs, less complaints from the public, and higher profits charged to the public and giving customers less for their money.

To win approval of the deal, T-Mobile promised regulators not to raise prices and to expand rural coverage by building a 5G wireless network covering 97 percent of the US population within three years and 99 percent within six years. T-Mobile now must conduct that project amid the Covid-19 pandemic.

Critics of the deal have long argued that it will be hard to hold T-Mobile to its promises. *"You need a scorecard to keep track of all the promises T-Mobile has made to state and federal policymakers in order to get approval for its anticompetitive and anti-consumer merger,"* says former Federal Communications Commission attorney Gigi Sohn. *"Regulators do not have the resources to ensure that these promises are enforced, and when they try, powerful corporations will do everything they can to avoid keeping them."*

The impact of the pandemic on T-Mobile's efforts depends on how long the crisis lasts in the US, says IDC analyst Rajesh Ghai. *"If it's a short disruption I would think it will only temporarily slow down the rollout,"* Ghai says. He notes that telecom and construction workers are generally considered "essential" under local and state lockdown orders, which will minimize delays. A potentially bigger threat, Ghai says, is reduced consumer spending that leaves T-Mobile with less money to invest in its network.

Alex Gellman, CEO of Vertical Bridge, which owns and operates cell phone towers, agrees that the impact will depend on the length of the crisis. But Gellman says proposed federal infrastructure spending, now under consideration in Washington, could help T-Mobile and other carriers build 5G networks.

The deal is the result of years of on-again, off-again negotiations among the nation's cellular phone companies. Obama administration regulators blocked plans to buy T-Mobile by AT&T in 2011 and Sprint in 2013. T-Mobile and Sprint resumed talks in 2017, correctly guessing the Trump administration would view the tie-up more favorably, but struggled to reach a deal. The two companies walked away from negotiations in November 2017, but worked out an all-stock deal for T-Mobile to acquire Sprint in April 2018; by then, T-Mobile had passed Sprint to become the third-largest carrier in the U.S. wireless markets.

It was a puzzling decision to some. Avery Gardiner, a fellow at the internet freedom group Center for Democracy and Technology, told WIRED in February that regulators usually block mergers that lead to high levels of market concentration. But they also consider whether new competitors in a market can offset the impact of consolidation, and the possibility that Dish would become a viable fourth competitor in the US cell market was one factor in Marrero's decision. For the time being, however, Dish will only resell the new T-Mobile's service.

Could there be a link between the Coronavirus and 5G? Researcher and building biologist Paul Doyon has just spent the last 18 months in China. He's written a brilliant article laying out the evidence. And how you can protect yourself—an EMF based protection strategy. Warning: this is a heavy science based article with nearly 100 references to studies—neither Paul or myself want to be accused of fear-mongering:

My heart goes out to China and to all its people who have suffered so much due to this new "novel" Wuhan coronavirus outbreak (COVID-19). I have made a few added comments in [Green throughout the content](#).

However, as someone who had become very sick and had his immune system break down and was sick for six months looking for answers before even suspecting that living in close vicinity to several cell phone towers was actually what was causing the problem and making him sick, I feel I cannot in good conscience remain silent, and I strongly suspect that China and the rest of the world are looking under the wrong stone for what is actually the problem here.

At the moment, with 10,000 recently installed **5G** antennas plastering its city, Wuhan is probably one of the most **5G**-electro-polluted cities on the planet.

Electro-smog Warnings from Scientists for Over 40 Years

Respected scientists, researchers, doctors, and activists have been — for over forty years — warning us about the dangers of wireless radiation and electromagnetic fields. In 1977, the reporter Paul Brodeur published a book called *'The Zapping of America;'* in 1985, the late Dr. Robert O. Becker (twice nominated for the Nobel Prize in Medicine for his work on cellular dedifferentiation and re-differentiation in the healing process) wrote *'The Body Electric,'* and later published *Cross Currents: The Perils of Electropollution, The Promise of 'Electromedicine'* in 1990; in 1995 (and again later in 2007), B. Blake Levitt, author and researcher, published *'Electromagnetic Fields: A Consumer's Guide to the Issues and How to Protect Ourselves.'* Since then there have been a slew of other books and documentary movies put out on the subject. And the list goes on and on.

Dr. Leif Stafford, Swedish neuro-oncologist, has called this wireless rollout "*the largest biological experiment ever.*" ¹

And Dr. Robert O. Becker wrote in 1985 that The dangers of electropollution are real and well documented. *It changes, often pathologically, every biological system* [emphasis added]. What we don't know is exactly how serious these changes are, for how many people. The longer we as a society, put off a search for that knowledge, the greater the damage is likely to be and the harder it will be to correct. (p. 304) ²

And finally, Dr. Martin Pall, PhD, and Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University has stated recently that putting in tens of millions of **5G** antennae without a single biological test of safety has got to be about the stupidest idea anyone has had in the history of the world. ³

In 2007, a report titled the [BioInitiative](#) was published, it was republished again in 2012, and there have been ongoing updates between 2014 and 2019. Its website states that the BioInitiative 2012 Report has been prepared by 29 authors from ten countries, ten holding medical degrees (MDs), 21 PhDs, and three MSc, MA or MPHs. Among the authors are three former presidents of the Bioelectromagnetics Society, and five full members of BEMS. ⁴ These are highly respected scientists coming from some of the world's most respected universities and institutes. ⁵

The BioInitiative further warns... that evidence for risks to health has substantially increased since 2007 from electromagnetic fields and wireless technologies (radiofrequency radiation). The Report reviews over 1800 new scientific studies.... Health topics include damage to DNA and genes, effects on memory, learning, behavior, attention, sleep disruption, cancer and neurological diseases like Alzheimer's disease. New safety standards are urgently needed for

protection against EMF and wireless exposures that now appear everywhere in daily life.⁶ See more [scientific research here](#).

5G Warnings

With the coming advent of the newest in wireless technology, **5G**, numerous researchers, doctors, and professional and activist organizations have been administering health warnings regarding its coming implementation.^{7 8 9 10 11 12 13} See [here the dangers of 5G radiation](#).

And even recently, there were marches in major cities throughout the world protesting the advent of this technology.¹⁴

Unfortunately, for the majority of the population, these warnings have fallen on deaf ears, with the seemingly widely held view out there believing that **5G** is the next best thing since Ben & Jerry's™ Cherry Garcia™ ice cream.

Of course, the downplaying of the hazards is understandable given the extreme benefits and conveniences all this technology has continuously offered an unsuspecting populace. Unfortunately, these people are also often quick to ridicule and marginalize those who try to warn of these dangers by labeling them as Luddite tinfoil-hat-wearing conspiracy theorists, until, of course, either they or someone close to them suddenly gets sick and they then see a possible connection with these EMF exposures, and then suddenly there is a change of tune, and they are quick to inquire about what they can do to protect themselves: e.g. how to [shield their homes](#) and offices, what [EMF meters to buy](#).

In Ripon, California, south of Sacramento, a **5G** antenna was removed from a primary school, after some parents there started to suspect that it was linked to a number of cancer cases [[three students and two teachers](#)] in the school.^{15 16}

The Coronavirus Outbreak

The recent COVID-19 outbreak has stimulated mass fear and mass hysteria across the planet, in spite of the fact that there have only been 93 deaths (at the time of this writing on February 29th, 2020) outside China, with 2835 of the deaths¹⁷ and 99 percent of infections occurring within China.¹⁸

In fact, the highest death rates outside of China have been in places already implementing **5G** technology, South Korea and Italy, for example. The exception is Iran, which at present has 978 cases, and 54 deaths, is officially not implementing it, but very well may secretly be trialing it given the reason why on December 1, 2018, at the request of the US government, Meng Wanzhou — Huawei's CFO and daughter of its founder — was arrested in Canada on allegations she participated in a conspiracy to defraud banks in connection with Iran sanctions violations,¹⁹ was indeed because Huawei was working to sell their **5G** technology

to the Iranians. In fact, Iran — in a joint operation between Irancell and Ericsson — had started trialing the technology back in September of 2017.²⁰ In the article, titled “Irancell, Ericsson Test 5G Systems,” (2017) it is stated that the technology will be available by 2020 and become globally accessible a year later. During the event at Irancell headquarters, the company’s CEO Alireza Dezfouli said *“We are aiming to keep pace with the international operators. Iran will not be left behind again.”*

Furthermore, a number of articles in the media, have stated that Iran has carried out “preparations” and is ready to launch 5G.^{21 22 23} Well, preparations usually include trialing. Hence, it is easy to believe that Iran already has the 5G infrastructure set up and they have been secretly trialing it.

Belgium, on the other hand, — which had decided not to even trial 5G, let alone implement it, due to radiation concerns²⁴ — has had only one case so far of the coronavirus (recovered) and no deaths.

In fact, for the majority, the symptoms of patients outside of China, (especially with those away from the 5G), for the most part, have seemingly been relatively mild, as one would most likely see with a regular cold or flu virus, and with many of those infected not showing any symptoms at all.

Mild Symptoms Outside China

It is stated by Dr. Maria Van Kerkhove, (Head of the WHO’s Health Emergencies Program), in the continuously updated Al Jazeera article, “What happens if you catch the new corona virus?” that *“some patients do not show any symptoms,”* and that *“You have mild cases, which look like the common cold, which have some respiratory symptoms, sore throat, runny nose, fever, all the way through pneumonia. And there can be varying levels of severity of pneumonia all the way through multi-organ failure and death,”* she told reporters in Geneva last week.

However, in most cases, symptoms have remained mild. *“We’ve seen some data on about 17,000 cases and overall 82 percent of those are mild, 15 percent of those are severe and 3 percent of those are classified as critical,”* said Van Kerkhove.¹⁸ Moreover, in numerous YouTube videos^{25 26 27 28 29} we are seeing interviews with patients that have been seemingly showing only mild symptoms.

One example is that of Rebecca Frazier, interviewed numerous times on numerous news programs, after being admitted to a Tokyo Hospital after being found to be infected with the COVID-19 on the Diamond Princess Cruise Ship. In one of the interviews, conducted by the New Zealand news program on the Radio New Zealand (RNZ) network titled *“I never really felt unwell,”* for example, the interviewer states the following and then goes onto interview Ms. Frazier:

“Incapacitated, needing help to breath, and surrounded by doctors in hazmat suits, is perhaps the go-to image of those infected with coronavirus. Not so for Rebecca Frazier, who has Covid-19 as it is now known. Curiously, she looks just fine. She’s in isolation in a Tokyo hospital after testing positive for the virus, while onboard the Diamond Princess Cruise Ship that is now docked in Yokohama, in lockdown for 14 days.... Rebecca says she’s shocked that she has tested positive for the deadly virus given how fit and well she feels.”

“I just can’t believe it. Just can’t believe this is happening to you. Umm. I... You know, I am not one to freak out...”

“Did you feel unwell? Do you feel unwell?”

“No. I never really felt unwell. I had a little bit of a cough when they told me, and when I got here, I had a little bit of a fever, but all of that has normalized and I have no symptoms...”²⁵

In another YouTube video,²⁹ this one from a Chinese TV network, is a report by a nurse in Wuhan, who contracted the virus, and decided to stay home to recover (which might very well have been what saved her life).

In the video, we see her going about her daily life as if only seemingly bothered by what would only be a normal cold virus.

In a BBC³⁰ report about Steve Walsh, labeled a “Super Spreader,” a man who was apparently infected by COVID-19 in Singapore and apparently spread it to numerous others at a ski resort in France, we hear one of his neighbors state that

“His wife told me on the phone that really he is not that ill and she thinks it is a complete basically a load of rubbish umm and it’s no worse than flu. Probably not as bad.”

So... why is it that, while these people are seemingly only manifesting mild symptoms, many people in China, and especially in the city of Wuhan (and some other provinces), are having such a difficult time with many unfortunately succumbing to the virus, and (for want of a better expression) “dropping like flies”? [The 60-gigahertz was being modulated to minimize 5G sickness!]

At least 10,000 5G Antennas Installed in Wuhan Alone

What has not been apparent in the news reports is the fact that China in its rush to take the lead in the 5G race, had by the end of 2019 (and mostly within the last several months leading up to the COVID-19 outbreak) installed 130,000 5G antennas throughout the country,³¹ with at least 10,000 antennas installed in Wuhan alone.³² (As a comparison, the USA only has approximately 10,000 5G antennas presently installed throughout the whole country.)

“Wuhan City, the capital of Hubei, is expected to have 10,000 5G base stations by the end of 2019...”³²

“According to previous reports, the three operators were expecting to operate nearly 130,000 5G base stations by the end of 2019.”



Wuhan: One of the Initial Cities Trialing 5G

In fact, Wuhan was one of the initial 16 cities selected to trial 5G back in 2018. China Unicom will begin testing 5G network in 16 cities including Beijing, Tianjin, Qingdao, Hangzhou, Nanjing, Wuhan, Guiyang, Chengdu, Shenzhen, Fuzhou, Zhengzhou, and Shenyang.

China Mobile will conduct external field test and set up more than a hundred 5G base stations in each of the following five cities: Hangzhou, Shanghai, Guangzhou, Suzhou, and Wuhan.³⁴

From the article, “Wuhan 5G Industry Development: Five-Chain Coordination, Three-Wheel Drive,” (武汉5G产业发展：五链统筹 三轮驱动),³⁵ (written in Chinese) published October 11th, 2019, it becomes clear that Wuhan was in a race with other Chinese cities to position

itself at the forefront of **5G** technology, and with approximately 10,000 5G antennas, is probably one of — if not the most — **5G**-radiated city in China:

At present, Wuhan is seizing major developmental opportunities in 5G commercialization, with the construction of a national first-class 5G network as a guide, with the development of a national first-class **5G** industry as the main body....

...Wuhan City has fully implemented the “Wuhan **5G** Base Station Planning and Construction Implementation Plan,” with an extraordinary policy effort, to guide and support basic telecommunications companies and China Tower Corporation to accelerate the construction of **5G** networks. This year and next, Wuhan will build more than 20,000 **5G** base stations, form a **5G** basic network with leading scale, first-class quality, and strong demonstration to ensure full coverage of the **5G** network in the city and be at the leading level among similar cities in the country.³⁵

Finally, it was stated in an article titled “**5G** network coming to Wuhan,” (April 16, 2018), that “3,000 macro base stations and 27,000 micro base stations” would soon be constructed, and that by 2020, the “**5G** network will cover every corner of the city and be available at an affordable price.”³⁶ This means that there may in fact be a lot more than just 10,000 antennas in Wuhan, though 10,000 alone would make Wuhan one of the most **5G** concentrated cities in the world.

5G Systems Deployed in Hospitals

What is also concerning here is that China has, since about November of 2019, been installing **5G** systems in its hospitals.^{37 38 39 40}

*“Key Chinese hospitals, leading telecom carriers and Huawei Wednesday launched a project to establish standards for **5G**-based networks in hospitals.”³⁷*

*“China released a pioneering standard for its **5G** hospital networks, following a joint drafting and verification process between the medical and telecommunication industries.”³⁸*

5G Systems Installed at Wuhan Coronavirus Hospitals

And to seemingly add insult to injury here, Huawei was very quick to install **5G** systems in the new coronavirus hospitals — Wuhan Volcan Mountain Hospital and Thunder Mountain Hospital — the two hospitals known for only being built in just over a week.^{41 42}

The two articles cited here are ironically titled, (1) “Huawei installs **5G** in China Hospital to fight Coronavirus,” and (2) “Huawei builds **5G** in Wuhan Hospital, aims to indirectly fight the Coronavirus” as this might very well be the complete opposite of what they are indeed intending to do here. There is also an interesting video on YouTube entitled “Chinese

hospitals deploy robots to help medical staff fight coronavirus outbreak,”⁴³ demonstrating this in action.

Chinese Telecoms Started Offering 5G Commercially in Nov, 2019

The Chinese telecom companies started to offer commercial **5G** services to its customers on the first of November last year.

China’s three major wireless carriers— China Mobile, China Unicom , and China Telecom — will begin selling **5G** services to consumers on Friday, November 1st in 50 major cities, including Beijing and Shanghai, said Chen Zhaoxiong, vice minister of the Ministry of Industry and Information Technology on Thursday October 31st at a Beijing conference....

The Chinese government has made building **5G** a national priority, clearing red tape and reducing costs so the three wireless providers introduce the new technology as swiftly as possible. *“They’ve made this a national priority. It’s part of the [Communist] Party’s ability to show that it’s delivering the goods,”* said Paul Triolo, head of geo-technology at the Eurasia Group consultancy. *“And in the middle of the trade dispute and the actions against Huawei, it’s even more important for China to show that they are continuing to move forward despite all these challenges,”* he added....

China’s central government wants **5G** coverage extended to cover all of Beijing, Shanghai, Hangzhou and Guangzhou by the end of the year. The country’s largest carrier, China Mobile, which has 900 million cellphone subscribers, says it will be able to offer **5G** services in more than 50 cities this year....

Approximately 13,000 **5G** base stations have been installed in Beijing, [the communications administration](#) said this week. About 10,000 are already operating. China already has a total of more than 80,000 **5G** macro base stations, typically cellular towers with antennas and other hardware that beam wireless signals over wide areas, government officials said. See [this article on 5G towers](#).

They said China will end the year with about 130,000, while Bernstein Research estimates South Korea will be in second place with 75,000, followed by the U.S. with 10,000. Piper Jaffray estimated that of the 600,000 **5G** base stations expected to be rolled out worldwide next year, half will be in China.³¹

This basically means that China had suddenly turned on the **5G** switch, just less than two months before the COVID-19 outbreak, suddenly blanketing many cities with this **5G** wireless radiation. And as of this writing, South Korea’s numbers of COVID-19 cases are also starting to skyrocket. As we can see from the above article, South Korea has the second highest number of **5G** antennas with 75,000. That is a lot for a country its size. Is there a connection? I think there is with at present (Feb. 29, 2020) also the highest number of coronavirus cases (3150) and one of the highest number of death rates (17) outside of China.

Forty Cities Drinking 5G Service

In the online article, “These 40 Cities Will Drink 5G Service,”⁴⁴ published June 7th, 2019, it was revealed that it had been decided that 5G would be launched in 40 cities across China in 2019 by China Mobile and China Unicom (with no specific information from China Telecom yet at that time).

Cities on this list included in Zhejiang Province were Hangzhou, Ningbo, and Wenzhou, not to mention places like Beijing, Shanghai, Wuhan, Guangzhou, Suzhou, and Shenzhen. The initial plan it seems, called the “7+33+n” 5G network deployment strategy, was to have full coverage in Beijing, Shanghai, Hangzhou, Guangzhou, Shenzhen, Nanjing, and Xiong’an, with hotspot coverage in the other 33 cities, and then customized 5G networks in so-called “n” cities, though this might have very well changed as other cities seemingly also wanted full coverage (note Wuhan’s installation of 10,000 5G antennas).

Top Most Coronavirus-Hit Provinces After Wuhan: Zhejiang and Guangdong

Interestingly, at one point in this saga, the second most hit (with the COVID-19) provinces were Zhejiang and Guangdong Provinces, (though as of this writing, Zhejiang has now been taken over by Henan).⁴⁵ The provinces listed below, in Chinese, and in order of most cases, are (1) Hubei (湖北), (2) Guangdong (广东), (3) Henan (河南), (4) Zhejiang (浙江), and (5) Hunan (湖南).

It has been so bad in Zhejiang Province that Japan, on Feb. 12th, even extended its entry restrictions to virus-hit Zhejiang (at the time was third in number of COVID-19 cases).

It includes the cities of Hangzhou and Wenzhou, which have among the country’s highest concentrations of coronavirus cases. Hangzhou hosts the headquarters of Alibaba Group Holding, while Wenzhou is famed as a cradle of small business.⁴⁶

On the map (Wikipedia) below⁴⁷, Zhejiang Province is the darker red province off to the right and Guangdong Province is the darker red one at the bottom. The darkest red province in the middle is Hubei with Wuhan in its center. Henan Province is above Hubei Province and Hunan Province is below it. (Map not included).

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These cities (Hangzhou, Wenzhou, and Ningbo) have also been cities selected to trial the 5G in Zhejiang province.

[Ookla 5G Maps](#)⁴⁸ tracks 5G deployment around the world, the number of telecoms offering 5G service in various cities in China.

In the city of Hangzhou, all three Chinese telecoms are providing **5G** service in the city; whereas in Ningbo, only two are, and in Wenzhou, only one (China Mobile) is....

The three cities in Zhejiang Province with the most cases have been Hangzhou (168 cases), Ningbo (156 cases), and Wenzhou (503 cases),⁵⁰ which are also curiously the cities selected to trial the **5G**. The city proper of Wenzhou itself (though when one includes the outer-lying prefectures the total comes 9 million), for example, with only 200,000 people, has an inordinately high number of people infected with COVID-19, and the city has been on lockdown.

But as you can see from some of the articles selected below that there has been a major push in this city to implement and blanket cover their cities with **5G** technology.

In the online article, “China Tower Built 8400 **5G** Stations in Zhejiang”⁵¹ (Oct. 21st, 2019), it is revealed that 8400 **5G** base stations have recently been installed in Zhejiang Province, with 4775 (out of an order of 6154) installed in Hangzhou alone, and 3200 of these installed within 100 days (in just a little over three months).

China Tower Built 8400 **5G** Stations in Zhejiang

According to a person in charge of China Tower (Zhejiang), since this year, it has undertaken more than ten thousand **5G** construction demands. At present, 8397 stations have been completed, more than 96% of which were built on the stock station sites. In Hangzhou, since this year, 6154 **5G** demands have been accepted and 4775 have been completed and delivered, of which 93% are directly met and transformed through stock station sites.

In the downtown of Hangzhou, after receiving the **5G** construction demand of three telecom enterprises, China Tower (Zhejiang), with the support of the government, completed 3200 **5G** base stations in the West Lake scenic area, Olympic Sports Center and other scenes within 100 days, and cooperated with telecom enterprises to complete quick installation and debugging of equipment, based on existing telecom rooms, cabinets, power supporting facilities and 5G antenna added on stock station sites, street lamp poles, buildings, etc.⁵¹

In another online article, published in Chinese, “China Tower installs 8,400 **5G** antennas in Zhejiang, 96% based on existing sites,” [中国铁塔在浙江建成8400个5G站址, 96%基于既有站址],⁵² we can see China Tower blanketing Hangzhou with **5G** antennas in a very short period of time.

In this article, it is stated that “Zhejiang is one of the earliest provinces in the country to start building **5G** networks,” and that “China Tower Zhejiang Company ... started the acceleration of **5G** construction in the first year of **5G** commercialization....” And further that, “more than 10,000 **5G** construction requirements have been undertaken since this year,” with “8397 sites ... completed.”

It becomes clear that the Zhejiang Province, home to the tech giant, Alibaba, is one of the provinces slated to become one of the first to introduce the **5G**. In the following article,

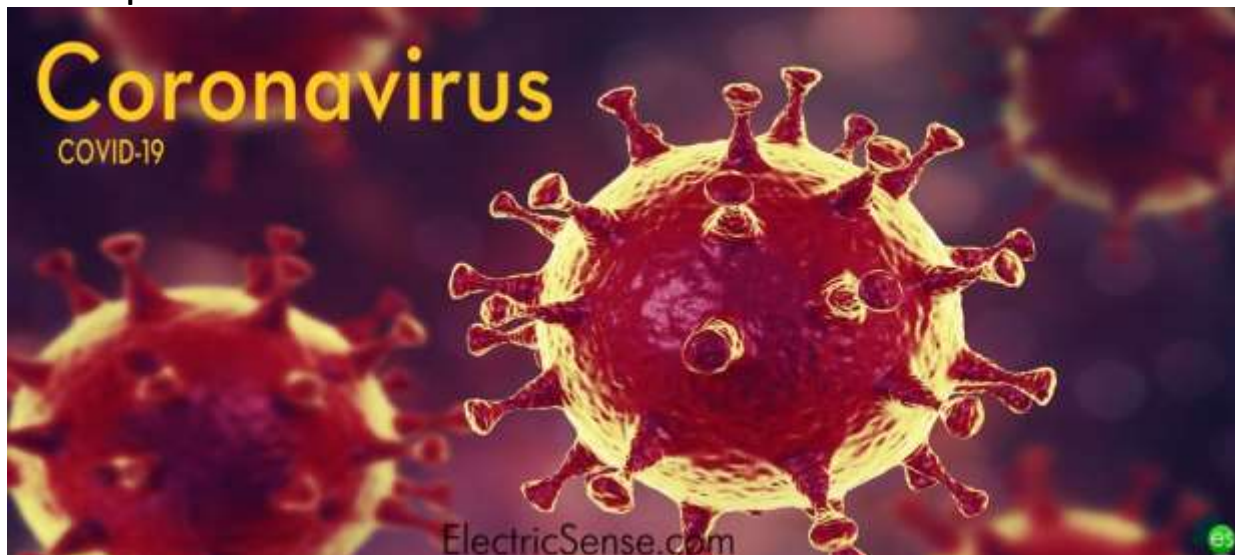
*“Delta region to build world-class information communication hub,”*⁵³ (Updated: 2019-11-01) it is stated that with the commercialization of **5G** services on Oct. 31st, fifty cities were selected to become among the first to access commercial **5G** services, including 10 cities in the Yangtze River Delta (YRD) region, half of which are from Zhejiang province – Hangzhou, Ningbo, Wenzhou, Jiaxing, and Shaoxing.

It is further stated that the three telecom companies plus China Tower would be investing in the region a total of 200 billion yuan (USD \$28.4 billion) for the **5G** infrastructure construction in order to *“build it into a world-class information communication hub.”*

According to a development plan for the region released in 2016, China Telecom, China Unicom, China Mobile and China Tower are planning to invest more than 200 billion yuan (\$28.4 billion) in **5G** infrastructure construction in the region by 2021 to help “build it into a world-class information communication hub” promoting the “region’s pilot use of **5G** network and applications,” and making “it clear that the YRD region will be the first in China to conduct trial commercial use of **5G** services,” while aiming to “realize the coverage of the **5G** network throughout the province by 2025.”⁵³

Coastal City of Wenzhou Worst Hit in Zhejiang Province

In the province of Zhejiang, the cities of Hangzhou, Ningbo, and Wenzhou, have the highest numbers of COVID-19 cases. These are also the main places where **5G** has been installed so far in the province.



Wenzhou, for a relatively small Chinese city, has the inordinately highest number — at present 503 — of cases in Zhejiang Province, and has been on lockdown⁵⁴ since Feb. 2nd when the number of cases there reached 304.

Wenzhou: Internet and **5G** Hub

In the past year, there have been numerous conferences in this small city promoting **5G** directly or indirectly.^{55 56 57}

For example, the Conference on the Internet of Things (IoT) for Industry and Energy opened there in September of last year and the Sixth World Internet Conference opened there in October of last year. The Conference on the Internet of Things (IoT) for Industry and Energy exhibited the latest state-of-the-art IoT technologies and 5G applications for big data technologies and IoT platforms. The Sixth World Internet (three-day) Conference brought together over 1,500 attendees from over 70 countries and regions, including Nobel Prize winners, and executives from major tech companies like Qualcomm, Alibaba, and Huawei.

In an article titled, “Experience the construction of 5G base stations under high temperature,” published in Chinese (体验高温下5G基站建设)⁵⁸ on Aug. 26, 2019, it is stated that “Wenzhou is one of the first 5G pilot cities of the three major operators, and 5G network coverage is in full swing.”

In another article, “Wenzhou shows big ambition in IoT industry,”⁵⁹ (Sept. 10th, 2019), it is further stated:

“Wenzhou is building itself into a pilot city for China’s smart city construction and 5G applications,” Chen said, *“Now, there are 13 cloud computing centers, over 500 5G base stations and more than 10,000 narrow-band IoT bases in the city.”*

Finally, looking at yet another article published approximately six months later titled “The first case in Zhejiang! S1 line is the first to achieve full coverage of mobile 5G signals,” (Jan. 19th, 2020), (also published in Chinese, 浙江首例! S1线率先实现移动5G信号全覆盖)⁶⁰ which revels at the 5G signal penetration along the “Longwan Airport-Wenzhou South High Speed Rail S1 line,” it becomes obvious that Wenzhou has also taken part in the 5G race to plaster its city with 5G electromagnetic waves.

Electromagnetic Fields (EMFs) and the Immune System

Wireless radiation from 1G to 5G have all emitted modulated “Radiofrequency (RF) electromagnetic fields (EMFs)” and there are literally thousands of studies showing biological effects from exposures to man-made electromagnetic waves, and out of these, hundreds showing biological effects on the immune system.

To give just one example, research by Kolomytseva, et al. (2002) described in the paper, “*Suppression of nonspecific resistance of the body under the effect of extremely high frequency electromagnetic radiation of low intensity,*”⁶¹ found that with whole-body exposure of healthy mice to low-intensity extremely-high-frequency electromagnetic radiation (EHF EMR, 42.0 GHz, 0.15 mW/cm², 20 min daily)... phagocytic activity of peripheral blood neutrophils was suppressed by about 50% (p < 0.01 as compared with the sham-exposed control) in 2-3 h after the single exposure to EHF EMR... and that this... effect persisted for 1 day after the exposure, and then the phagocytic activity of neutrophils returned to the norm within 3 days.

And furthermore,

a significant modification of the leukocyte blood profile in mice exposed to EHF EMR for 5 days was observed after the cessation of exposures: the number of leukocytes increased by 44% ($p < 0.05$ as compared with sham-exposed animals), mostly due to an increase in the lymphocyte content.

They concluded that, the results indicated that the whole-body exposure of healthy mice to low-intensity EHF EMR has a profound effect on the indices of nonspecific immunity.

In a paper ⁶² (written by myself along with Prof. Olle Johansson of the Karolinska Institute) — which I believe offers the most solid hypothesis to date on the main mechanisms by which EMFs do in fact disable the immune system — a number of these related to immune system effects can be found listed in the citations.

Johansson (2012) further details, in Section 8 of the [BioInitiative](#), “Evidence for EMF Effects on the Immune System,” ⁶³ numerous studies demonstrating those effects, especially with regards to how radiofrequency EMFs alter the immune system.

In the previously mentioned Aljazeera article,¹⁸ it is stated that a study published in the medical journal, The Lancet, on January 24th, found what it called a “cytokine storm” in infected patients who were severely ill. The condition is a severe immune reaction in which the body produces immune cells and proteins that can destroy other organs.

Hence, it should be noted here that there are, in fact, numerous research studies showing an EMF effect on cytokines: A PubMed search, for example, produced 119 search results. ⁶⁴

Back in 1998, a biologist named Roger Coghill conducted an experiment where he “took white blood cells, known as lymphocytes, from a donor,” and kept them alive via the use of nutrients while exposing them to either cell phone radiation or the natural electromagnetic field of the human body. He discovered that of the immune cells exposed to cell phone radiation, only 13% remained undamaged and able to function properly; whereas, of cells exposed only to body’s natural electromagnetic field, 70% remained undamaged and able to function properly. Naturally, while his research did provide insight, he was attacked and criticized by the wireless industry for being “unscientific.”

Dr. Robert O. Becker (1985) wrote of how the immune system is weakened by manmade electromagnetic fields via the induction of “subliminal stress”:

Initially, the stress activates the hormonal and/or immune systems to a higher than normal level, enabling the animal to escape danger and combat disease. If the stress continues, hormone levels and immune reactivity gradually decline to normal. If you stop your experiment at this point, you’re apparently justified in saying, “The animal has adapted; the stress is doing no harm.” Nevertheless, if the stressful conditions persist, hormone and immune levels decline further, well below normal. In medical terms, stress decompensation

has set in, and now the animal is now more susceptible to other stressors, including malignant growth and infectious diseases.

... One aspect of the syndrome was very puzzling. When undergoing these hormonal changes, an animal would normally be aware that its body was under attack, yet, as far as we could tell, the rabbits were not. They showed no outward signs of fear, agitation, or illness. Most humans certainly wouldn't be able to detect a 100-gauss magnetic field, at least not consciously. Only several years after Friedman's work did anyone find out how this is happening.

In 1976 a group under J. J. Noval at the Naval Aerospace Medical Research Laboratory at Pensacola, Florida, found the slow response in rats from very weak electric fields, as low as five thousandths of a volt per centimeter. They discovered that when such fields vibrated in the ELF range, the increased levels of the neurotransmitter acetylcholine in the brainstem, apparently in a way that activated a distress signal subliminally, without the animal's becoming aware of it. The scariest part was that the fields Noval used were well within the background levels of a typical office, with its overhead lighting, typewriters, computers, and other equipment. Workers in such an environment are exposed to electric fields between a hundredth and a tenth of a volt per centimeter and magnetic fields between a hundredth and a tenth of a gauss. (pp. 277-278) ²



Suffice it to say, while there are multiple mechanisms involved by which EMFs do weaken the immune system, there is no question that EMFs can indeed have an adverse effect on the immune system.

5G Is Much More Powerful and Dangerous Than Its Predecessors

The **5G** rollout — either the trialing stage or implementation stage — has already started in most major developed countries of the world, with majority of the rest seemingly preparing for its debut.

The European Commission has asked each member state to select one city to be **5G**-ready by 2020 as part of the EU's **5G** Action Plan for a Digital Single Market. The European Commission has asked EU member countries to start trialing **5G** in at least one city making it **5G** ready by 2020 under its "**5G** Action Plan for a Digital Single Market."

Belgium refused — even the trialing phase, not to mention the implementation phase — due to the higher radiation levels that the **5G** would bring, which was way above what its radiation standards permitted. Switzerland started with both trials and implementation, but put a halt to further rollout, due to all the complaints about the health effects it was getting. Other countries seemingly just lowered their standards probably because they could not resist the next best thing to Ben & Jerry's Chunky Monkey Ice Cream. And the USA and China have seemingly been in a **5G** race to blanket their countries in this **5G** radiation (and most likely inadvertently the coronavirus), with China now seemingly winning on both those fronts.

5G has been divided into low, mid, and high bandwidths. The low-to-mid-bandwidth frequencies "are contiguous and range from 600 MHz to 6 GHz,"⁶⁶ and have been used for 1G-4G for the past forty years. On the other hand, the higher-frequency millimeter wave bandwidths are new frequencies starting at approximately 24 GHz (in the US anyway), and have not been used for commercial cell phone service in the USA until recently with the advent of these commercial **5G** services.

For the most part, at present, most **5G** is now in the low to mid bandwidth range, with limited high millimeter wave coverage, though that will probably change as the technology develops and is implemented. Also, **5G** technology is being implemented alongside with and piggybacking on already-in-place 4G technology. The **5G** technology brings with it both larger macro-base stations and smaller micro-base stations installed between the larger macro-base stations. And because these micro-base stations are often closer to people's homes in residential areas, according to Building Biology Certified Electromagnetic Radiation Specialist (EMRS), Oram Miller, we are now measuring higher RF levels in client's homes, especially in second story bedrooms (read Lloyd's article on [EMFs in bedrooms](#)), up to tens to hundreds of thousands of microWatts/meter squared (uW/m²) from these new antennas, whereas, the building biology profession and EMF experts around the world say 10 micro-Watts per meter squared or less is safe for sleeping areas (actually, 0.1 uW/m² is our "No Anomaly" level for sleeping areas). [Here is a list of EMF Experts](#).

Furthermore, as we have gone up the spectrum from 1G to **5G**, with each new generation there has been increased modulation, and increased modulation means increased biological effects and biological harm for all life on this planet. **5G** is no exception. Oram Miller goes onto further explain

All of these advanced technologies push more cell signals into the same airspace at faster speeds with far more modulation than current 4G cell technologies.

And...

This modulation of cell signals transmitted in the low and mid bands from new **5G** and 4G LTE-Advanced small cell radios and antennas popping up everywhere probably accounts for the majority of people living near these antennas who report the onset of health symptoms not experienced previously.

Dr. Martin Pall, Ph.D. (Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University), — who brought the world’s attention to the fact that EMFs cause biological harm via the opening up voltage-gated calcium channels (VGCC), allowing for excessive flow of calcium ions inside the cell and the prompting of nitric oxide (N.O.) production via the stimulation of the enzyme nitric oxide synthase to form a host of reactive oxygen species via downstream effects⁶⁷ — has warned that the rollout of **5G** will have massive deleterious effects on the world’s population, not to mention all life forms. He believes that **5G** will be much more dangerous for the following reasons:

1. The extraordinary high numbers of antennae that are planned.
2. The very high energy outputs which will be used to ensure penetration.
3. The extraordinary high pulsation levels.
4. The apparent high-level interactions of the **5G** frequency on charged groups presumably including the voltage sensor charged groups.⁶⁸

In a recent paper of his titled “Massive Predicted Effects of **5G**,” (Dec. 17, 2019)⁶⁹ Pall states that “given the high pulsation level for 5G radiation, even short exposures may well produce severe biological effects,” not to mention the power densities of up to 30 times higher than previous systems of 1G to 4G and with penetration being enhanced via the magnetic component. He is predicting that with the full-fledged turning on of **5G** (versus just its trial phase, where there is little communication yet happening with the **5G**), that we will be seeing

- (1) decreased human reproduction,
- (2) lowered collective brain function,
- (3) very early-onset Alzheimer’s,
- (4) increased autism and ADHD,
- (5) deterioration of the human gene pool, and
- (6) massive increases in cardiac arrests.

While following the rollout of **5G**, he has tracked numerous signs of its biological effects. For example, he has outlined increases in neuropsychiatric effects, cardiac effects, and electromagnetic hypersensitivity, taken from Swiss online articles,^{70 71} as what we are already starting to see with the advent of this technology:

- Increases in insomnia, tinnitus, headaches, inability to concentrate, and fatigue.
- Increases in electromagnetic hypersensitivity (EHS).
- Increases in cardiac arrhythmias.

He reports that while these effects had been reported before with occupational exposure studies and smart meter studies, *“the effects appear to be much more severe following [the rollout of] 5G”* with *“even more severe apparent [yet to be published] 5G neuropsychiatric effects [appearing] in Southern California,”* with their own recent massive rollout of 5G.

Furthermore, he states that *“we have every reason to believe that any full-fledged 5G system, communicating with the ‘internet of things’ will produce still vastly greater effects than any of these initial findings.”* This might very well be what we are seeing in the city of Wenzhou City, Zhejiang Province, in China — which has already implemented this technology along with the 5G — with extraordinary high rates of the coronavirus, and who knows what other increases in health effects (e.g. increases in heart problems, blindness, electromagnetic hypersensitivity, etc.) there have been that have not been made public.

He goes onto further outline — in correlation with 5G testing — UK 5G ambulance service suicides,⁷² cases of panic in cattle in the Netherlands,⁷³ and bizarre, aggressive behavior in cattle and sheep in Germany,⁷⁴ birth defects in Germany and France,^{75 76} and hundreds of birds dropping from the sky due to sudden cardiac arrest during three days of 5G testing in a park near Rotterdam,⁷⁷ and the list goes on and on to also include insect death and increases in fires in South Korea.^{78 79}

(See also the article on [is 5G dangerous?](#))

Could the 5G Be Making the Coronavirus More Virulent?

When we look at the following video, it becomes apparent that smaller life forms like insects are indeed more sensitive to this wireless microwave radiation, with this clear example coming only from radar:

This picture shows some aphids on the leaf of an orange tree. Shortly after radar was installed at a nearby airport a number of years ago, I noticed that every few seconds, all the aphids would tense up in unison and do sort of a little dance, as you see in the picture. Upon further investigation, I found that the interval of time in between the activity of each dance, coincided exactly with the rotation of the radar rotor device at the airport, which was a distance of approximately fourteen miles.

In the following video, [Dr. Dietrich Klinghardt](#) talks about an experiment where mold exposed to EMFs proliferated:

Now I am going to make the link to the electromagnetic fields. An acquaintant physician in Switzerland who is a main mold researcher in Europe made a beautiful experiment. He grew mold cultures under a Faraday cage simply like a silver coat, it looks like a mosquito net, that is made out of silver-coated cloth. [It had] been draped over the mold culture. And he measured how much mycotoxins, how much toxins, are these molds producing on a daily basis. Very easy to do. Then he lifted the mosquito net and exposed the mold culture to the ambient electromagnetic radiation in his laboratory, which was caused by the lights that were on, by the computer in the corner, and especially, and he found out later, the ambient

cell phone radiation, from the nearby cell phone tower that was broadcasting cell phone radiation. He found out that the production of biotoxins in this culture went up more than 600 times. Not only that the mold suddenly put out significantly more mycotoxins to protect themselves, but also much more virulent, much more vicious, more poisonous mycotoxins. And I took that experiment as was for me a big lightbulb went on....

So what if the same kind of thing is happening with the 5G radiation and the coronavirus? Pall (2020) lists in a newer version of his paper ⁸⁰ (previously mentioned) a number of studies which in fact strongly support this theory.

The question that is being raised here is not whether 5G is responsible for the virus, but rather whether 5G radiation, acting via VGCC activation may be exacerbating the viral replication or the spread or lethality of the disease.

Let's backtrack and look at the recent history of 5G in Wuhan in order to get some perspective on those questions. An Asia Times article, dated Feb.12, 2019 stated that there were 31 different 5G base stations (that is antennae) in Wuhan at the end of 2018. There were plans developed later such that approximately 10,000 5G antennae would be in place at the end of 2019, with most of those being on 5G LED smart street lamps. The first such smart street lamp was put in place on May 14, 2019, but large numbers only started being put in place in October, 2019, such that there was a furious pace of such placement in the last 2 ½ months of 2019.

These findings show that the rapid pace of the coronavirus epidemic developed at least roughly as the number of 5G antennae became extraordinarily high. So we have this finding that China's 1st 5G smart city and smart highway is the epicenter of this epidemic and this finding that the epidemic only became rapidly more severe as the numbers of 5G antennae skyrocketed.

Are these findings coincidental or does 5G have some causal role in exacerbating the coronavirus epidemic? In order to answer that question, we need to determine whether the downstream effects of VGCC activation exacerbate the viral replication, the effects of viral infection, especially those that have roles in the spread of the virus and also the mechanism by which this coronavirus causes death. Accordingly, the replication of the viral RNA is stimulated by oxidative stress: J Mol Biol. 2008 Nov 28;383(5):1081-96. Variable oligomerization modes in coronavirus non-structural protein 9. Ponnusamy R, Moll R, Weimar T, Mesters JR, Hilgenfeld R.

Other aspects of viral replication including those involved in the spread of the virus are stimulated by increased intracellular calcium [Ca²⁺]_i, oxidative stress, NF-kappaB elevation, inflammation and apoptosis, each of which are increased following EMF exposure. The first citation below shows an important role of VGCC activation in stimulating coronavirus infection.

Virology. 2020 Jan 2;539:38-48. Porcine deltacoronavirus (PDCoV) modulates calcium influx to favor viral replication. Bai D, et al.

J Virol. 2011 May;85(9):4234-45. Distinct severe acute respiratory syndrome coronavirus-induced acute lung injury pathways in two different nonhuman primate species. Smits SL, et al.

Cell Calcium. 2018 Nov;75:30-41. NAADP-dependent Ca²⁺ signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. Gunaratne GS, et al.

J Virol. 2011 May;85(9):4234-45. Distinct severe acute respiratory syndrome coronavirus-induced acute lung injury pathways in two different nonhuman primate species. Smits SL, et al.

Proteome Sci. 2011 Mar 8;9:11. Proteomic analysis of chicken embryonic trachea and kidney tissues after infection in ovo by avian infectious bronchitis coronavirus. Cao Z, et al.

Res Vet Sci. 2015 Jun;100:12-7. Serum biomarkers of oxidative stress in cats with feline infectious peritonitis. Tecles F, et al.

J Infect Dis. 2008 Mar 15;197(6):812-6. Glucose-6-phosphate dehydrogenase deficiency enhances human coronavirus infection. Wu YH et al.

J Virol. 1998 Jun;72(6):4918-24. Transmissible gastroenteritis coronavirus induces programmed cell death in infected cells through a caspase-dependent pathway. Eleouet JF, et al.

The predominant cause of death from this coronavirus is pneumonia. Pneumonia is greatly exacerbated by each of those five downstream effects of VGCC activation, excessive intracellular calcium, oxidative stress, NF-kappaB elevation, inflammation and apoptosis. The first of the citations listed below shows that calcium channel blockers, the same type of drugs that block EMF effects, are useful in the treatment of pneumonia. This predicts that EMFs, acting via VGCC activation, will produce increasingly severe pneumonia and therefore **5G** radiation as well as other types of EMFs may well increase pneumonia deaths.

Zheng et al. 2016 Preadmission Use of Calcium Channel Blockers and Outcomes After Hospitalization With Pneumonia: A Retrospective Propensity-Matched Cohort Study. Am J Ther. 2017 Jan/Feb;24(1):e30- e38.

Fang et al. 2017 Pneumolysin-Dependent Calpain Activation and Interleukin-1 α Secretion in Macrophages Infected with Streptococcus pneumoniae. Infect Immun. 2017 Aug 18;85(9). pii: e00201-17.

Fettel et al. 2019 Sphingosine-1-phosphate (S1P) induces potent anti-inflammatory effects in vitro and in vivo by S1P receptor 4-mediated suppression of 5-lipoxygenase activity. FASEB J. 2019 Feb;33(2):1711- 1726.

Liu and Shi. 2019 Calcium-activated chloride channel regulator 1 (CLCA1): More than a regulator of chloride transport and mucus production. *World Allergy Organ J.* 2019 Nov 29;12(11):100077.

Sci Rep. 2018 Oct 18;8(1):15393. Surfactant protein D attenuates acute lung and kidney injuries in pneumonia-induced sepsis through modulating apoptosis, inflammation and NF- κ B signaling. Du J, et al.

Curr Neurovasc Res. 2020 Jan 28. MicroRNA (miR)-429 promotes inflammatory injury by targeting kruppel-like factor 4 (KLF4) in neonatal pneumonia. Zhang L, et al.

Life Sci. 2019 Jul 1;228:189-197. Long noncoding RNA SNHG16 targets miR-146a-5p/CCL5 to regulate LPS-induced WI-38 cell apoptosis and inflammation in acute pneumonia. Zhou Z, et al.

These all argue that **5G** radiation is likely to greatly exacerbate the spread of the coronavirus and to greatly increase the lethality of the infections produced by it. The good news is that it is likely that those of us that live in areas with no 5G radiation and who avoid other EMFs wherever possible will probably escape much of the impacts of this prospective global pandemic.

It is highly probable that one of the best things Wuhan can do to control the epidemic in the city is to turn off the 4G/**5G** system.

Captured Agencies and the Hijacking of the Science

And you might ask yourself, “Why haven’t I heard about this problem?” or you might tell yourself that “Certainly the authorities have our best interests at heart when they make these kinds of decisions.”

Well, in a recent book review ⁸¹ of the book *Triumph of Doubt* (by David Michaels, 2020), Kathleen Rest, Executive Director, Union of Concerned Scientists (UCS), (February 14, 2020) outlines how deception is used to manufacture doubt and uncertainty in many industries’ public relations playbooks:

- Attack the science. There are lots of tools in this toolbox: commission new “scientific” studies to reanalyze existing data with methodologies biased toward predetermined results; review the literature and risk assessments to question the weight of the evidence; publish these reviews and re-analyses in selected scientific journals; shop for and hire so-called “independent” experts to question the science; provide tasty and contrarian soundbites for the media and public consumption; and more.
- Create and deploy front groups with innocuous-sounding names to undermine science, influence public opinion, and gain access to policy makers while maintaining the illusion of independence.

- Harass and intimidate independent scientists whose research demonstrates or suggests harm. Or alternatively, curry favor with academic institutions and scientists by providing some form of financial support while also varnishing their public interest image.
- Overwhelm regulatory agencies with comments on proposed regulations.
- Use their outsized money, power, and access to influence actions/inactions of elected policymakers and agency officials. (Oh, and there's also that well-oiled revolving door. Just take a look at how many agency leaders and decision-makers in the Trump administration come straight from the very industries they are now supposed to regulate.)

Another tactic that I have noticed is that these people seem to use is to get their plants on a discussion list to make some completely off-the-wall statements so that they can get the media to cover this to try to make everyone involved look like complete whack jobs, which an unsuspecting public is quick to consume and believe. This is seemingly happening right now with this issue. Learn more about [the EMF cover-up](#).

Certainly, how Western governments and corporations manipulate public opinion is different than how it might be done in China, since in the latter case, there is strict government control (e.g. Internet firewall) over what is permitted and not permitted to be accessed via the Internet, etc. Hence, they may not really have to use the above playbook and this may very well be the reason they have been able to move so quickly to implement this technology. But at what cost?

“Everything must be taken into account. If the fact will not fit the theory — let the theory go.... Real evidence is usually vague and unsatisfactory. It has to be examined — sifted.” — Agatha Christie

As Agatha Christie says, *“Everything must be taken into account.”* Ignoring — especially willfully ignoring — any very possible causal factors — especially EMF — in my humble opinion, is just not good science, if you can call that science at all.

According to Dr. Martin Pall, Ph.D.,
The failure of the “safety guidelines” to predict biological effects and therefore safety means that these are not safety guidelines. Consequently, any claims of safety made by the multi-trillion euro-telecommunications industry based on these “safety guidelines” are simply fraudulent.

These failures of the “safety guidelines” must be considered in terms of the principle that is at the core of the scientific method. That principle is that when we have a scientific theory and we test predictions of that theory and the theory predictions are shown to be false, then we must throw the theory out. It follows that when we have eight highly repeated findings each of which show that the “safety guidelines” do not predict biological effects and do not, therefore, predict safety, it is a scientific requirement that the “safety guidelines” be thrown

out. The failure of ICNIRP, the European Commission and various regulatory agencies to throw out the “safety guidelines” clearly shows that their actions are both unscientific and anti-scientific.⁶⁵

“You are not entitled to your opinion. You are entitled to your informed opinion. No one is entitled to be ignorant.” — Harlan Ellison

And anyone who would like some insight into how — what is perceived as the sacred cow of international health organizations — the W.H.O. has been unduly influenced by industry, they need look no further than Swedish oncologist and professor, Dr. Lennart Hardell’s paper, “World Health Organization, radiofrequency radiation and health – a hard nut to crack (Review).”⁸²

What Can You Do to Protect Yourself?

Well given that accordingly the EMF effects act via the activation of VGCCs with a resulting increase in calcium ions inside the cell stimulating nitric oxide synthase to produce more nitric oxide leading downstream to the creation of free radicals (aka reactive oxygen species), it is important to, first of all, limit EMF exposures as much as possible. As Oram Miller recommends, reduce use, increase distance, and favor hardwired connections whenever and wherever possible. You can put your cell phone in Airplane mode, making sure WiFi and Bluetooth are off while in Airplane mode, and do most every function on your cell phone on a different, hardwired device when inside your house. That includes talking, texting, emailing, audio and video streaming, and using various apps.⁶⁶ Learn more about [Bluetooth](#), [WiFi](#) and [cell phone radiation protection here](#).

Secondly, hire a Building Biology Certified Electromagnetic Radiation Specialist to help with the measurement and then reduction of EMFs in the home, for example, by shielding your home and sleeping area to block out health-damaging RF, eliminating any wiring errors in the home to reduce magnetic fields, and reducing sources of dirty electricity. Read about [EMFs on wiring here](#).

Thirdly, I would say that implementing what I have dubbed “*The Radio-protective Diet and Supplement Program™*,” is essential.

There are two main supplements that I have used over the years that have greatly reduced my own sensitivity to electromagnetic fields dramatically and these are (1) magnesium, as it acts as a natural VGCC blocker, in that it blocks calcium from entering the cell, and (2) L-lysine, an essential amino acid, which works to calm down the production of nitric oxide (N.O.), (whereas the amino acid arginine is needed by nitric oxide synthase to stimulate the production of N.O.). Learn more about [Electrical sensitivity diagnosis and treatment here](#).

L-lysine has the added benefit in that it acts in a similar fashion to selective-serotonin reuptake inhibitors (SSRI) in that it binds with the serotonin receptors in the brain to increase serotonin levels. Taking both of these supplements before bed should also help you sleep better.

“The Radio-protective Diet and Supplement Program™,” is essentially (1) immune system boosting, (2) anti-inflammatory, (3) detoxifying, and (4) free-radical quenching. Hence, it consists of foods and supplements that support these processes in the body. Here is an article on [EMF Protection and the food you eat](#).

This would entail taking, for example, denatured organic whey powder to boost glutathione (the body’s super antioxidant) levels, which not only quenches free radicals, but also helps with boosting the immune system and detoxification, and also targeted transfer factors which boost one’s immune system by increasing natural killer cells; anti-inflammatories like ginger and turmeric; detoxifying foods like onions, garlic, and broccoli; and fruits and vegetables high in antioxidants; not to mention foods that replenish hormones and neurotransmitters lost from exposures to EMFs like serotonin, melatonin, dopamine, gamma amino butyric acid (GABA), and phenylethylamine (PEA) which include bananas (tryptophan), pineapple (serotonin), cashew nuts (serotonin), tart cherry juice (melatonin), sprouted rice milk (GABA), and chocolate (PEA).

Another supplement I find essential for boosting the immune system, stimulating detoxification, and healing leaky gut (and probably other leaky barriers) are humic minerals. There have been a number of posts on social media websites recommending herbs and supplements that are supposed to be effective against the coronavirus. For example, Ty Bolinger lists a number of supplements and herbs one can take in an article he posted on his website, the Truth About Cancer, titled, “Coronavirus: ‘The Good, the Bad, and the Answers.’”⁸³ And Doris Loh explains why taking Vitamin C will protect and enhance your immune system in two of her articles.^{84 85} I know from previous research that both EMFs and viruses deplete Vitamin C reserves, so supplementing with it seems like a very good idea.

Finally, I would say that exposing yourself to beneficial EMFs through Earthing, and also using a PEMF machine. I personally use one that has for me, I feel, (1) stimulated the healing process, (2) reduced inflammation, and (3) boosted my immune system. If you are interested in this last solution, contact me at [EMF Refugee](#).

Conclusion

China is a great country with an amazing populace who have made astounding advancements creating a very sophisticated modern country in the last ten years, surpassing many other modern countries in many ways. However, given the facts that:

1. we have real data that shows indeed that wireless radiation impacts the immune system;
2. we have numerous patients outside of the **5G** zone showing no or only mild symptoms,

3. there have recently been 10,000 5G antennas installed and turned on in Wuhan, not to mention 130,000 5G antennas installed throughout greater China;
4. there have recently been 5G systems installed in numerous hospitals in China, not to mention the new COVID-19 hospitals;
5. we are seeing higher numbers of COVID-19 infections in places like Hangzhou and Wenzhou, not to mention South Korea, etc. where they have also recently installed numerous 5G antennas; and
6. there has been no testing done to find out the biological implications of exposing life forms to this radiation; we can conclude that the real problem here may very well in fact be with the 5G electromagnetic radiation weakening people's immune systems, not to mention possibly making the virus itself more virulent. And if this is true and if China does not change course, 5G might very well become its — and the rest of the world's Titanic — with the COVID-19 (and others like it) its icebergs.

Maybe this is what people really need to start worrying about and perhaps it is time for the Chinese government, as well as governments throughout the world to seriously investigate and address 5G possible health effects and put a halt to the premature rollout of 5G technology until they can prove that it is safe (which I doubt they can) and until, safer alternatives can be developed.

The government in Belgium never implemented it and there was talk of the government of Switzerland putting a halt on the 5G rollout,⁸⁷ but they now seem to be going ahead with it.⁸⁸ And it seems like, unless people wake up to this, China will certainly be following a similar path.

I am sorry to have to rain on your electromagnetic parade here, but it might actually very well be your 5G that is contributing to making everybody sick.

"The only people angry at you for speaking the Truth, are those living a lie. Keep on speaking it."

"All truth passes through three stages: First, it is ridiculed. Second, it is violently opposed. Third, it is accepted as self-evident." — Arthur Schopenhauer

Many thanks to Paul Doyon for this guest post.



Paul Doyon is a researcher, writer, and teacher and educator of 33 years, who inadvertently became involved in researching the EMF issue after becoming sick in 2005, whilst living in the vicinity of several cell phone towers. He has spent 27 years of his adult life living outside his home country of the USA, teaching English as a Foreign Language (EFL) and English as a

Second Language (ESL), mostly at the university, college, and in international school levels. Paul is a Building Biology Practitioner (BBP) and Electromagnetic Radiation Specialist (EMRS) with the [International Institute for Building Biology and Ecology](#)(IBE). He is also the founder of the website [EMF Refugee](#).

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Blessings,

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