

# Royal Caribbean

## *“Odyssey of the Seas”*

### Debut Canceled



Royal Caribbean has canceled the first four sailings of its newest cruise ship due to a COVID-19 outbreak among the vessel's crew.

The world's largest cruise line late Tuesday, June 15, said the ship — the 4,198-passenger Odyssey of the Seas — would now debut on July 31, four weeks later than planned. The name of the ship suggests a long and eventful or adventurous journey or experience. Quaranteen at sea somehow does not seem fit for the Odyssey of the Seas even if you were only a crew member!

In a statement the Royal Caribbean said eight crew members on Odyssey of the Seas had tested positive for COVID-19, all on June 10. That was six days after the ship arrived in the U.S. from Europe in advance of its first sailing, which was scheduled for July 3.

At the time the ship arrived in the U.S., none of its 1,400 crew members had been vaccinated for COVID-19. But they were vaccinated soon after the ship's arrival.

*“All crew that tested positive are in good health and being monitored by our onboard medical team,”* Royal Caribbean said in the statement.



There have been no further cases of COVID-19 discovered among the ship’s crew since June 10, Royal Caribbean said. But the line said that all the crew on Odyssey of the Seas would remain in quarantine on the ship for 14 days in what the line called *“an abundance of caution.”*

Odyssey of the Seas is one of several ships that Royal Caribbean plans to operate in the coming months without a COVID-19 vaccine mandate for passengers.

*“We are reaching out to affected guests and travel partners to assist with their options,”* the line said in its statement. *“This was an unexpected but necessary decision to make, and we are committed to doing the right thing for everyone’s well-being.”*

Recently completed at a shipyard in Germany, Odyssey of the Seas is one of the world’s largest cruise ships.

While not quite as big as Royal Caribbean’s record-breaking [Symphony of the Seas](#) (the world’s largest cruise ship), the ship is designed to offer all the trappings of a major megaresort. It boasts multiple pool areas, a kiddie aqua park and such amusements as a sky-diving simulator, a surfing simulator and a bumper car pavilion. A something-for-everyone array of cabin classes on the ship range from tiny, 166-square-foot “interior” cabins without a window to massive, two-deck-high Royal Loft Suites that are nearly 10 times that size.

This isn't the first delay to the debut of *Odyssey of the Seas*. The ship originally was scheduled to debut in 2020, but its construction [was slowed by the COVID-19 pandemic](#), and its completion date was rescheduled for 2021.

Earlier this year, Royal Caribbean announced that [the ship's first sailings would take place in Israel](#). But those plans were scrapped after violence erupted in the country earlier this year.



Multiple sources are reporting that eight crew members employed by Royal Caribbean Cruises aboard the *Odyssey of the Seas* tested positive for COVID-19. According to a press release from the cruise line, the crew members tested positive on June 10, 2021, six days after the ship arrived in the U.S. after sailing from Israel. [Media reports](#) indicate that Royal Caribbean states that two employees were symptomatic, with what the cruise company describes as “mild symptoms.”

Previously, as the *Odyssey of the Seas* was sailing through the Mediterranean Sea, as many as five crew members tested positive for COVID-19 (Royal Caribbean claimed that only four crew members tested positive for the virus). At the time of the news, the cruise ship was anchored off the coast at Majorca Bay, Mallorca, Spain. A Spanish newspaper carried the headline styled [“Five Positive Crew Members of the ‘Odyssey of the Seas’ are Transferred to Clinic in Palma”](#)

On May 24, 2021, Royal Caribbean disembarked the crew members in question in Palma de Majorca where they will went quarantine at a private clinic. The Spanish

newspaper's Twitter feed stated that Royal Caribbean had left them on the island and tracking services showed the *Odyssey* sailing toward Gibraltar.

For reason not clear to us, none of the other news sources are mentioning the previous five crew members from this ship who tested positive just seventeen earlier.

The new Royal Caribbean cruise ship had previously been sent to Israel to begin cruises from that country. However, in mid-May, the cruise line cancelled cruises from Haifa, Israel, ostensibly because of violence between Israel and Palestinians.

Royal Caribbean initially intended to have its crew on the *Odyssey* vaccinated while the ship was in Israel, although the Israeli press reported in April that this was never approved even though the planned cruises from Haifa were imminent. The *Odyssey* then sailed to Cyprus where there was a crew transfer of unvaccinated crew. Taking a leisure cruise during this time is dangerous, and that this cruise line has delayed taking appropriate steps to protect its crew members and future guests from becoming infected and risks spreading the virus into Caribbean port communities.

Regarding the most recent outbreak, Royal Caribbean stated that the eight crew members arrived in the U.S. on the ship on June 4, 2021. At the time, 1,400 crew on board received COVID tests which apparently were negative. Subsequently, the crew members were vaccinated. The crew were tested again and tested positive on June 10, six days after the cruise ship arrived in the U.S. after sailing from Israel.

The positive COVID-19 test has caused Royal Caribbean to delay the first revenue cruise from July 3rd to July 31st, according to *'Seatrade Cruise News'*.

*"Two steps forward and one step back!"*

That was the message from Royal Caribbean International CEO Michael Bayley after the company postponed the inaugural sailing of the its new ship *Odyssey of the Seas* after 8 crew members tested positive for COVID-19.

According to Bayley, the 8 crew members had all been vaccinated on June 4, but aren't considered fully vaccinated until two weeks have passed. The positive cases were identified after the the vaccination was given. Six of the eight crew members are reported to be asymptomatic. Two are reported to have mild symptoms.

*"To protect the remaining crew and prevent any further cases, we will have all crew quarantined for 14 days and continue with our routine testing,"* Bayley said.

As a result, the inaugural sailing of *Odyssey of the Seas* from Haifa, Isreal will be postponed from July 31, 2021, from the previous July 3 sailing date. A simulation cruise, originally scheduled for late June, will also be rescheduled.

German cruise shipbuilder Meyer Werft delivered Odyssey of the Seas to Royal Caribbean back in March. It is the final ship in Royal Caribbeans five-ship Quantum class (the final two ships are technically the Quantum Ultra class), which first launched in 2013 with Quantum of the Seas (followed by Anthem of the Seas, Ovation of the Seas and Spectrum of the Seas).

Odyssey of the Seas comes in at 169,000 GT and is 347.1 meters long by 41.4 meters wide. It can accommodate 4,210 passengers.

For its inaugural sailing season, Odyssey of the Seas will be embarking from first-time homeport in Haifa, Israel on 3 and 7 night voyages in the Mediterranean, before heading to Fort Lauderdale, Florida in November.

Royal Caribbean's first guests on board Odyssey of the Seas are required to be fully vaccinated, except for those under the age of 18. All crew members are also required to be fully vaccinated.



Here is the real cause of the alleged Covid-19 virus and you cannot be vaccinated for wireless energy sickness.

## **Could 5G be Triggering the Spread of the Coronavirus?**

Coronaviruses have been studied for the better part of twenty years at this point in time.

In his landmark book on electricity and life, '[The Invisible Rainbow](#),' Arthur Firstenberg, traces an eerie connection between the advent of four new technologies and major influenza epidemics in 1889, 1918, 1958 and 1968.

### **Spanish Flu 1918**

The most notable connection is the famous Spanish Flu Epidemic of 1918, which killed more than 20 million people worldwide. This epidemic actually started on military bases in the U.S. at about the same time the US military was rolling out a new form of wireless communications. Between 1917 and 1918, the US military built the world's largest radio network. Meanwhile, the flu accelerated across military bases both stateside and overseas, and on ships equipped with the powerful wireless transmitters. As the troops and wireless equipment arrived in the European theatre during WWI, a sudden explosion of disease raced unabated across Europe.

### **Wireless Impacts to the Earth's Natural Electrical Field**

As this influenza seemed to move too fast for historic disease models, dozens of scientists began to question the idea of a contagious virus. Testing was inconclusive as to whether the Spanish flu virus (H1N1) was actually being spread by germs, or something else. Firstenberg and others put forth the theory that wireless and other electrical fields may change the electrical nature of the earth's atmosphere. The electrical core of the earth generates the earth's electromagnetic field, which sends electromagnetic waves outward to the ionosphere, where they bounce back to earth and circumnavigate the globe. In its natural state, the earth emanates a 500 milligauss magnetic field at about 7.83 cycles per second. Yet, dramatic electrical changes to the earth's atmosphere could disrupt the evolutionary balance of the electrical nature of the planet.

Could such an electrical shock to earth's natural electrical field trigger dormant viruses in people and animals? After all, we are all electrical creatures. When we are healthy, 50 trillion cells in our bodies operate at around 70 millivolts. Could the new US military wireless signals, which had suddenly sprung up across the globe, have activated unnatural electrical activity in the already highly, electrically-charged ionosphere? And what effects could this have on our own body chemistry, which depends on a delicate electrical balance?

### **1889 Flu Epidemic**

Firstenberg also connects the flu epidemic of 1889 with a new electrical innovation. This time it was the rapid expansion of the electrified telegraph system that accompanied the railroads in the US. Until 1888, there were only 45 miles of electrified railroad in the US. Yet, in a single year, this network grew to over 1000 miles. These very low frequency waves can travel thousands of miles, bouncing off the ionosphere and virtually traveling around the world at the speed of light. That same year a vicious flu erupted virtually simultaneously in such far-flung places as Greenland, Uzbekistan and Northern Alberta.

It then quickly appeared in even more disparate locations, such as Philadelphia, Australia and the Balkans. In the days of pre-air travel, it seemed impossible that a contagious disease could travel this fast to so many seemingly-unrelated geographies.

### **Flu becomes an Annual Phenomenon**

By the end of 1889, the death toll had reached over one million worldwide. Even more telling is that until then, influenza outbreaks had been a relatively rare occurrence. It had been nearly 30 years since the previous influenza outbreak in England. Firstenberg suggests that 1889 marked the beginning of influenza being an annual phenomenon for humans.

### **Missile Defense Systems and the Asian Flu of 1958**

We now flash forward to 1958. In the heart of the Cold War, the U.S. had just completed the build-out of the most powerful and extensive missile defense system the world had ever seen. Hundreds of high power radar stations which generated 1350 megahertz signals and included Doppler stations, operating at more than one kilowatt, were suddenly filling the heavens with unnatural levels of microwave radiation. The problem is that all these microwave signals bounce off the ionosphere and then come back to earth. The earth's electrical envelope acts like a resonating chamber that traps all this electrical activity and propels it at light speed to all corners of the planet.

During the build-out the US triple-threat missile defense system, the Asian Flu was born in China. The death toll ultimately reached 4 million worldwide. Scientists associated this flu with the H2N2 virus, which was thought to be avian-related.

So, which is it? Is the flu caused by long dormant viruses, which are suddenly triggered by electrical disruptions in the atmosphere? Or, as it is generally believed, is the flu transmitted by viruses mainly found in birds, or poultry that somehow find their way into the human population?

Actually, both theories may be correct.

### **Immune System weakened from Wireless Radiation**

In 2013, a Washington State University professor, Dr. Martin Pall published a landmark paper, "[Electromagnetic fields act via activation of voltage-gated calcium channels](#) to produce beneficial or adverse effects." This paper shows how electrical changes to ion channels can lead to biological chaos in the body, including the proliferation of free-radicals and excess calcium ions. Excess calcium ions (electrically charged elements) can be toxic. Typical symptoms include nausea, fatigue, muscle pain and fuzzy thinking. Sound a little like the flu? Meanwhile the proliferation of free-radicals creates inflammation, neurological impacts, and a compromised immune system.

If both Dr. Pall and Firstenberg are right, the rapid spread of the flu is much more than just the exposure to the underlying virus. While the virus is real, it may be both triggered and accelerated by changes in the electrical environment. Such changes undermine our immune response to these viruses and we are unable to fight them off.



### **The 5G Connection**

This brings us to 5G. For those who are unfamiliar with 5G, it is the fifth generation of wireless and cellular technologies. It uniquely uses intense clusters of wireless transmitters, which produce extremely high frequency signals and raise radiation exposures to humans exponentially. The frequency levels of this new technology can be many, many times higher than current wireless standards. Noted physicist Maxwell Planck showed that the level of energy in an electrical source is proportional to its frequency. Thus, 5G stands to impose significantly higher biological effects on humans than any previous technology.

Now, is it any coincidence that Wuhan, China, a leading “Smart City”, and one of the earliest adopters of 5G transmitters, is the very source of Covid-19 – the Coronavirus?

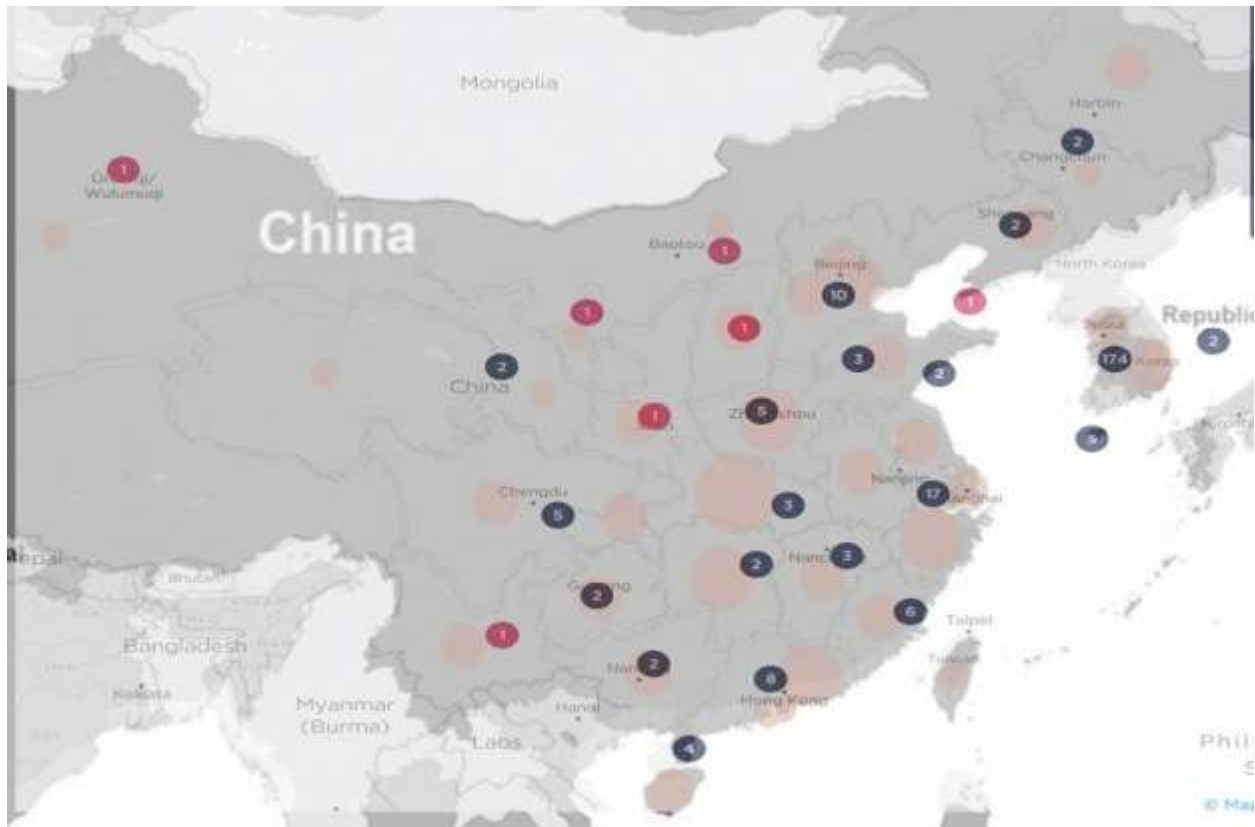
Well, if you are still doubting the connection between 5G and the Coronavirus, check out this overlay map\* which locates major 5G installations in China and the major outbreaks of the Corona virus there.

Maybe Firstenberg’s claim of a connection between influenza and wireless technology is not so far-fetched after all.

*The red and blue circles below represent 5G installations in China and North Korea. The light pink shows the regions marking the spread of Coronavirus. The map was*

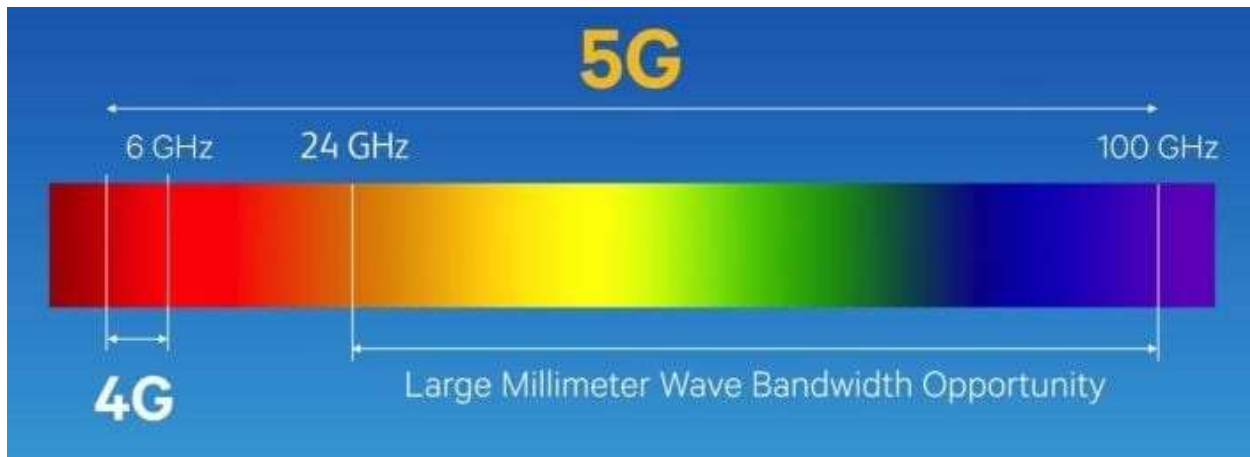


created by an independent researcher overlaying a [map of the 5G rollout in China](#) with a map of the [Covid-19 outbreak](#), both downloaded as of 2/26/20. Understand, this is a crude gauge using what information was publicly available on that date, and it is presented here only as a means to suggest that further serious research correlating Covid-19 incidence with locations of the 5G infrastructure should be undertaken. If greater incidence of the Coronavirus is occurring in locations where 5G technologies have been deployed, this will be of critical public health importance.



See recent write up on 5G risks, including mention of the Covid-19 by Dr. Martin Pall [here](#).

[Professor Emeritus Martin Pall, February 25, 2020: Massive Predicted Effects of 5G in the Context of Safety Guideline Failures: Very High Level VGCC Sensitivity to Low Intensity EMFs and Especially to Pulsations](#)



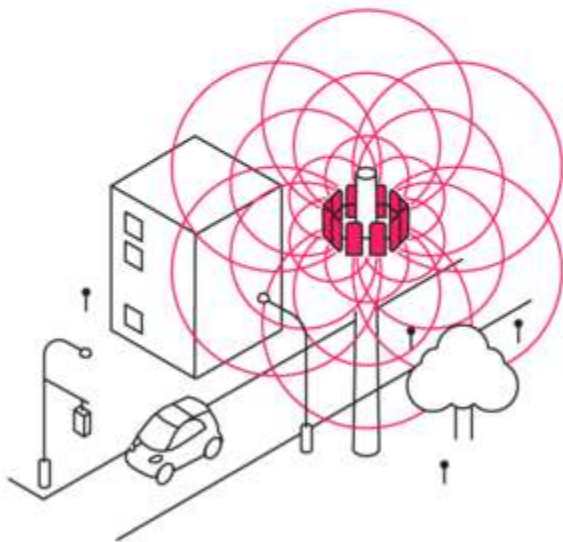
### How 5G Could Work

While the final specifications for 5G, or fifth-generation mobile service, are still being finalized, here are technologies likely to play a role:

#### 4G

Signals broadcast in all directions

All data sent to and from the network



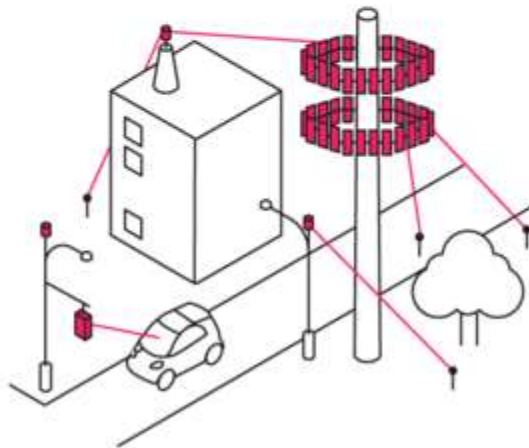
Source: Institute of Electrical and Electronics Engineers

#### 5G

Focused signals

Small base stations extend reach and handle some exchanges directly

Device-to-device communication



BloombergQuickTake

### WHAT IS 5G

5G is the next generation of mobile broadband that will eventually replace, or at least augment, your 4G LTE connection. The technology uses an untapped bandwidth between 30 GHz and 300 GHz.

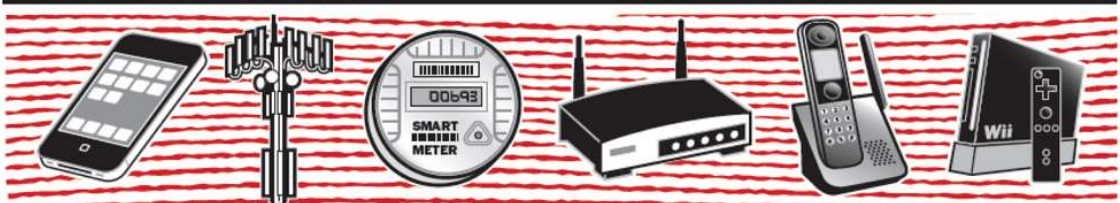
With 5G, you'll see exponentially faster download and upload speeds. Latency, or the time it takes devices to communicate with wireless networks, will also drastically decrease.

In order to facilitate these speeds, the new network communicates through millimeter waves (MMW's) rather than microwaves, as previous generations have.

Because smaller waves cannot easily travel far and through many types of materials, there will be a need for far more individual 'small cell towers' closer together. You'll likely see these small cell towers on street signs, light poles, on the sides of buildings, on homes, and just about anywhere else the telecom companies can legally place them.

## PUBLIC HEALTH WARNING

**ALL WIRELESS DEVICES EMIT MICROWAVE RADIATION—a known biological hazard**



**EVERY TIME YOU USE A WIRELESS DEVICE, YOU ARE EXPOSED TO MICROWAVE RADIATION.** The World Health Organization (WHO) labels this radiation a Class 2B possible cancer-causing agent in the same category as lead, DDT, and chloroform. Cell phones, cordless phones, tablets, laptops, 'smart' meters—the more you are around these devices, the more radiation you get.

**MICROWAVE RADIATION IS HARMFUL TO YOU.** Scientists link this radiation to diseases, both long-term and short-term: cancer, infertility, DNA damage, damage to fetuses, sleep problems, memory and behavior problems, heart problems and many others.

**MANY PEOPLE HAVE BECOME "ELECTRO-HYPER-SENSITIVE" (EHS)** and cannot tolerate even low exposures, seriously impacting their health, job, housing, and social lives.

**GOVERNMENT REGULATIONS DO NOT PROTECT YOU.** FCC guidelines were written decades ago and ignore current science linking microwaves to human disease. Cities like San Francisco have tried to introduce mandatory health warnings on cell phones but the wireless industry has suppressed these efforts with lawsuits and economic boycotts.

Photo Credit to Joshua Hart – [www.stopsmartmeters.org](http://www.stopsmartmeters.org)

### RAPID DEPLOYMENT

Tech giants are working literally around the clock to make 5G a reality. Mobile 5G has already made appearances in cities around the country, with a much more comprehensive rollout expected over the next few years. [Click here](#) to see where 5G has already been rolled out in the U.S.

Companies working together to develop and create the 5G infrastructure include: AT&T, NTT Docomo, SK Telecom, Vodafone, Ericsson, Qualcomm, British Telecom, Telstra, Korea Telecom, Intel, LG Uplus, KDDI, LG Electronics, Telia Company, Swisscom, TIM, Etisalat Group, Huawei, Sprint, Vivo, ZTE and Deutsche Telekom.

Unfortunately, the installation of 5G cell towers is not only going to improve speed, but it is also likely to have a detrimental effect on our public health.

That's right, 5G is coming whether we like it or not and health risks are going to tag along with these faster data experiences.

### **A MASSIVE HEALTH EXPERIMENT**

Professor of public health at the University of California Berkeley, Dr. Joel Moskowitz says that MMW's could pose a very real danger. He told the [Daily Mail Online](#) that *"the deployment of 5G, or fifth-generation cellular technology, constitutes a massive experiment on the health of all species. Because MMWs are weaker than microwaves, they are predominantly absorbed by the skin, meaning their distribution is quite focused there."*

He also told Daily Mail Online that he's concerned that *"5G will use high-band frequencies, or millimeter waves, that may affect the eyes, the testes, the skin, the peripheral nervous system, and sweat glands."*

Dr. Moskowitz is not alone. The [International Society of Doctors for the Environment](#), its subsidiaries in 27 countries and more than 200 doctors and scientists are all calling for a stop to be put to the roll out of 5G, *"due to concern that 5G radio frequency radiations will have adverse health effects,"* Dr. Moskowitz says.

In 2017, a group of over 250 scientists from around the world wrote and published a declaration called the ["5G Appeal"](#) asking for a moratorium on the building of 5G infrastructure. This was a follow up to a previous letter sent to the United Nations with a similar request. They said in part: *"We recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry...RF-EMF has been proven to be harmful for humans and the environment."* [You may read the entire published appeal here.](#)

[Hundreds of other scientists and medical doctors](#) from around the world have been calling for a halt to the roll out of 5G. So far, their warnings have gone unheeded. That's due to the \$17-trillion return on investment projected!

*"When we have substantial risk of multiple existential threats to every single technologically advanced country on earth, failure to act vigorously means there is a very high probability of complete destruction of these societies. And the chaos which would inevitably ensue, in a world that still has nuclear weapons, may well lead to extinction."* [~Martin L. Pall, PhD, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University](#)

### **CDC, FDA DENY 5G HEALTH RISKS EXIST**

The [FDA denies](#) that 5G causes any health risk at all.

The CDC's position is, as you might expect, that death by wireless data is the work of fear-mongering, conspiracy theorists. *"There is no scientific evidence that provides a definite answer to that question,"* the [CDC website states](#). *"Some organizations*

*recommend caution in cell phone use. More research is needed before we know if using cell phones causes health effects.”*

However, the scientific consensus of independent scientists based on information accumulated over the last 7 decades is just the opposite of what each of them states.

## **MICROWAVE RADIATION FREQUENCY AND WI/FI SYMPTOMS**

- Confusion
- Short term memory loss
- Inability to focus
- Brain fog/sluggish thinking
- Difficulty concentrating
- Headaches
- Migraines
- Vision disruption or eye problems
- Eye pain
- Cataracts
- Head or chest pressure
- Allergies
- Difficulty breathing
- Respiratory problems
- Slow reaction time
- Sleep disruption
- Insomnia
- Night sweats
- Nightmares
- Dizziness
- Disorientation
- Balance Problems
- Agitation
- Anxiety
- Depression
- Suicide
- Tension
- Irritability
- Tremors
- Nervousness
- Seizures
- Vertigo
- Nausea or vomiting
- Flu-like symptoms
- Digestive difficulty
- Nose bleeds
- Hair Loss
- Rapid Aging/oxidative damage
- Skin problems including rashes
- Skin irritation/dryness
- White Noise 24/7
- Ringing or buzzing in ears
- Ear pain
- Tinnitus
- Bed wetting
- Urinary problems

- Behavioral problems in children
- Pets get jumpy
- Mood disorders
- Lethargy
- Exhaustion
- Chronic fatigue
- Lost productivity/sick days
- Loss of employment
- Unusual family conflicts
- Disintegrating relationships

- organ and brain damage
- Psoriasis
- Autoimmune disease
- Lupus
- Damages mitochondria
- Free radical damage and aging
- Worsening existing poor health
- Demineralization of cells/tissue
- Impotence
- Infertility
- Birth defects
- Life span decreases by +/-8 years
- Heart Attack
- Pacemaker defibrillation
- Circulation problems
- Joint difficulty
- Muscle pain
- Fibromyalgia
- Dementia
- Personality changes
- Alzheimer's, Parkinson's, ALS
- Amyotrophic Lateral Sclerosis
- Childhood cancers increase
- Brain tumors
- Rare Deadly Brain Gliomas
- Leukemia
- Cancer
- Diabetes
- Heating beamed on humans that mimics a high fever
- Rhinitis (inflammation nasal membranes)
- Asthma
- Allergies such as hay fever
- Food allergy
- Atopic dermatitis (inflammation of the skin)
- Itching and chapped skin on the trunk
- Rheumatism (painful condition of the joints and muscles characterized pain and stiffness)
- Benign uterine fibroid tumors
- Bone loss/osteoporosis
- Dehydration
- Kidney damage



- **Electronic Harassment-Stalking-Mind Control**
  - Violent behavior
  - Autism
  - ADHD
  - Weakened immune system
  - Physical weakness or pain
  - High blood pressure
  - Leg cramps
  - Stiff neck or back
  - Shuts down the cells-cell death
  - Changes in genetic makeup
  - DNA breakage
  - EMF causes mercury dental filling vapor to leak causing

**AN INCONVENIENT TRUTH**

For 4 billion years, the energies that surrounded life were simple. There was the Schumann resonance (7.83 Hz); which essentially was a weak electromagnetic field (ELF) modulated by the micro-pulsations, sculpted by the solar and lunar cycles. There were random bursts of static electricity from lightning, weak radio signals from distant stars, as well as UV and infrared electromagnetic radiation from the sun.

In just over 100 years, we humans have abruptly added massive man-made electromagnetic fields (EMF's) to our environment. In 1895, the modern era of electrical engineering began when we harnessed the power of Niagara Falls. In 1901, Marconi sent the first transatlantic radio message. In 1915, the first voice transmission by the radio was transmitted. And, in 1920, the first commercial radio station was launched. Yet, the greatest assault of the Earth's surface came right after WWII. We began bouncing shorter wavelengths off the ionosphere for long distance communication. In 1947, Bell Telephone set up the first microwave phone relay between towers in Boston and NYC. The same year, TV was born.

In the 1950's, large transcontinental microwave relay networks, consisting of chains of repeater stations linked by line-of-sight beams of microwaves were built in Europe and America to relay long distance telephone traffic and television programs between cities. And, the 1980's brought us cellular communications. In a blink of an eye we went from candles, campfires, and kerosene to high speed communications, smartphones, and reality TV.

Einstein's work tells us that EMF waves last for infinity once they are generated. They usually dissipate into space except on Earth. Here, our ionosphere keeps them captive.

**It is estimated that the first mile above the Earth is now filled with 2 million times the amount of EMF that we faced in 1900. As of 2012, the radio waves that surround our planet are estimated to be one billion times the amount that naturally reaches us from our sun! Add to it the imminent 5G MMW's, categorically more dangerous wavelengths, and this may be the single most important factor in disease generation in our lifetime. Forget sugar, gluten, and heavy metals toxicity. When all will be said and done, we will be missing the effects of those.**

According to [Dr. Jack Kruse](#), *"we know that there are primary biological effects on all life forms at most ELF frequencies, and all other parts of the spectrum that can disrupt life at any level from the subatomic to the entire biosphere we live in. We know this from experiments done worldwide. American corporations, however, who are making trillions of dollars off this, are spending a lot of money to keep this information from us... Do not blame your politicians or corporations for this. The data has been under your nose since the 1960's and 70's. We were too busy living la vida loca to notice. Blame yourself for staying in the dark so long."*

We have altered our electromagnetic background more than any other aspect of our environment. We are awash in an ocean of electromagnetic energies that life has never

before had to deal with, ever! This has come on fast and furious and the results of which are going to be our new inconvenient truth.

### **YOUR BODY IS AN ELECTRIC CIRCUIT**

So, why should you care about all of this electromagnetic mumbo jumbo?

An adult body is comprised of more than 37 trillion individual cells. Each of those trillions of cells carries out at least 7,000 chemical reactions per second. In order for that level of complexity to function smoothly, there must be a great deal of communication between and within these trillions of cells. This communication is possible because cells, tissues, and fluids thrive in a homeostatic environment where they conduct electricity well enough to carry the signals to their intended destinations.

Your body's ability to generate electricity is a key part of achieving health. Electricity is required for the nervous system to send signals throughout the body and to the brain. These signals are actually electrical charges that are delivered from cell to cell, allowing for nearly immediate communication. The computations required for such coordination are enormous. There may be anywhere from 10 to 100 trillion connections between neurons (synapses) in the brain, and each one operates as a tiny calculator that tallies signals arriving as electrical pulses. The messages conducted via electrical signals in your body are responsible for controlling the rhythm of your heartbeat, the movement of blood around your body, and even your ability to think, focus, and feel.

**All the reactions that occur in the cell and human body are electrical in nature** and the key to maintaining this conductive superhighway lies with electrolytes – Bicarbonate, Calcium, Chloride, Magnesium, Phosphate, Potassium, and Sodium. Electrolytes are important because they are what your cells (especially nerve, heart, muscle) use to maintain voltages across their cell membranes and to carry electrical impulses (nerve impulses, muscle contractions) across themselves and to other cells.

[Scientists](#) confirm that the body's electromagnetic fields interact with all of the other magnetic fields on the planet. This interaction manifests in many ways ranging from normal physiological activity to severe tissue injury, illnesses, and even death. For example, in order for the heart to pump, cells must generate electrical currents that allow the heart muscle to contract at the right time. Doctors can even observe these electrical pulses in the heart using a machine, called an electrocardiogram or EKG. Irregular electrical currents can prevent heart muscles from contracting correctly, leading to a heart attack. This is just one example showing the important role of electricity (and disruptions in the body's electromagnetic fields) in health and disease.

### **EIGHT WELL-DOCUMENTED EFFECTS OF EMF EXPOSURE**

[Dr. Martin Pall](#), Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University, a published and widely cited scientist on the biological effects of electromagnetic fields. Dr. Pall is an expert in how wireless radiation impacts the electrical systems in our bodies. He published 7 studies showing that the voltage

sensor in each cell in the human body has exquisite sensitivity to EMF's with massive impact on the biology of the cell.

His recent paper, titled "[5G Risk: The Scientific Perspective](#)" presents the following 8 well-documented effects of non-thermal microwave frequency EMF exposure, together with a list of review articles, most of them being peer reviewed articles published in well-respected journals in the PubMed database, that have together reviewed a massive body of hundreds of studies demonstrating the existence of these effects.

1. **Attack our nervous system** including our brains leading to widespread neurological/neuropsychiatric effects such as: sleep disturbance/insomnia, headache, depression/depressive symptoms, fatigue/tiredness, dysesthesia, concentration/attention dysfunction, memory changes, dizziness, irritability, loss of appetite/body weight, restlessness/anxiety, nausea, skin burning/tingling/dermographism and EEG changes. These findings are not only based on epidemiological findings but are also based on profound impacts of EMFs, at levels well within our safety guidelines, on brain structure and function and also on the mechanism of non-thermal EMF action discussed below.
2. **Attack our endocrine system.** The steroid hormone levels drop with EMF exposure, whereas other hormone levels increase with initial exposure. The neuroendocrine hormones and insulin levels often drop with prolonged EMF exposure, possibly due to endocrine exhaustion.
3. **Produce oxidative stress and free radical damage.** Oxidative stress has roles in all or almost all chronic diseases. It is reported to have essential roles in producing the reproductive effects and the attacks on cellular DNA and may also have roles in producing the neurological effects and some of the cancer-causing effects shown to be produced by EMF exposures.
4. **Attack our DNA**, producing single strand breaks in the cellular DNA, double strand breaks in cellular DNA and oxidized bases in cellular DNA. Each of these DNA changes has roles in cancer causation and in producing mutational changes in humans and animals. When these DNA changes occur in germ line cells (eggs and sperm), they cause the three most important types of mutations in future generations, [chromosomal mutations](#), [copy number mutations](#) and [point mutations](#). Common disorders due to such mutations in humans are: Cri du chat, Duchenne muscular dystrophy, Di George's syndrome, Charcot-Marie-Tooth disease type I, Amniocentesis during pregnancy, XX male syndrome, Down syndrome, infertility, cancer, cystic fibrosis, Sickle-Cell anemia, and Tay-Sachs disease. Also, copy number mutations are now recognized as important risk factor for several child psychiatric disorders..
5. **Lower male and female fertility, lower sex hormones, lower libido and increase levels of spontaneous abortion.** Based on a [meta-analysis](#), published in Human Reproduction journal, human sperm count has dropped by



50-60%, between 1973 to 2011 alone, throughout the technologically advanced countries of the world. According to 2015 or 2016 data, reproductive rates have fallen below replacement levels in technologically advanced countries, including every EU country, the U.S., Canada, Japan, South Korea, Taiwan, Singapore, Australia and New Zealand (note that in the U.S. both the FCC and FDA completely ignore this existential threat). U.S. birth rates have been in decline for three years!

6. **Produce excessive intracellular calcium [Ca<sup>2+</sup>]<sub>i</sub> and excessive calcium signaling.** Intracellular calcium is maintained at very low levels (typically about 2 X 10<sup>-9</sup> M) by the body except for brief increases used to produce regulatory responses. Sustained elevation of intracellular calcium levels produces many pathophysiological (that is disease-causing) responses.
7. **Produce elevated levels of apoptosis** (programmed cell death) events, especially important in causing both neurodegenerative diseases and infertility. Apoptosis can be produced by excessive Ca<sup>2+</sup> levels in the mitochondria and by double strand breaks in cellular DNA; it seems likely that both of these mechanisms are involved following EMF exposure. A third mechanism for triggering apoptosis, endoplasmic reticulum stress, may also be involved.
8. **Attack the cells of our bodies to cause cancer.** Such attacks are thought to act via 15 different mechanisms, including increases in cancer initiation, promotion and progression. Brain cancer, salivary cancer, acoustic neuromas and two other types of cancer go up with cell phone use. People living near cell phone towers have increased cancer rates. Other types of EMFs are each implicated. Short wave radio, radio ham operators and people exposed to radar all are reported to have increased cancer incidence. Perhaps most telling, heavy long term cell phone users have the highest incidence of brain cancer and have predominantly cancer increases on the ipsilateral side of the head (the side they use their cell phones), as opposed to the contralateral side.

There is also a substantial literature showing that EMFs may cause other effects including life threatening cardiac effects, including tachycardia (rapid heartbeat), arrhythmia, and bradycardia (slow heart beat). In addition substantial evidence suggests EMF causation of very early onset dementias, including Alzheimer's, digital and other types of dementias; and there is evidence that EMF exposure in utero and shortly after birth can cause ADHD and autism.

### **CORONAVIRUS AND 5G – IS THERE A CONNECTION?**

And last, how can we not mention the buzzword of the day? A [comprehensive study](#), conducted by Bartomeu Payeras i Cifre, a microbiologist from the University of Barcelona, and published in April, 2020, concludes that there is a clear and close relationship between the rate of coronavirus infections and 5G antenna location.

Dr. Thomas Cowan, an anthroposophical holistic medical doctor from San Francisco CA, hypothesizes that Coronavirus may be history repeating itself and linked to 5G. Dr. Cowan is the author of 'Human Heart, Cosmic Heart', 'Cancer and the New Biology of Water', 'How (and Why) to Eat More Vegetables', principal author of 'Fourfold Path to Healing' and co-author of 'The Nourishing Traditions Book of Baby and Child Care'. His latest book published in 2020 is 'The Contagion Myth.'

Watch his mind-bending, paradigm-shifting [10-minute clip](#) filmed at the Health And Human Rights Summit in Tucson, Arizona on March 12, 2020. There is much discussion in the EMF science community about the relevance of this theory. Some are dismissive, others are not.

### **THE BOTTOM LINE**

The 5G technology seems to bring endless possibilities on both business and personal levels. However, it comes with a high price tag that we might not be able to afford. Not only will it be a much higher frequency, shorter wavelength form of electromagnetic radiation, it will also be in much closer proximity, increasing our exposure and the danger.

Remember the [inverse square law](#) of physics. This law essentially states that as we double our distance from a source of EMF radiation, we quarter our exposure to it. This concept means that distance gives us exponential protection from EMF.

This is a unique situation in the history of the human kind when the whole human population will be exposed to man-made devices emitting non-ionizing radiation that was insufficiently tested before deployment. What is and what will be the responsibility of the scientists, decision-makers and industry leaders who permit deployment of insufficiently tested technology that will affect us all?

The answer is simple – no responsibility... because if any health problems will show up in the future, these will most likely take tens of years of time to manifest and, by then the persons that currently enable deployment of insufficiently tested radiation-emitting 5G technology will be retired or the proverbial 'six feet under.'" [~Dr. Darius Leszczynski, Adjunct Professor of Biochemistry, University of Helsinki, Finland](#)

It should not come at all as a surprise to you that telecommunication companies and the technology sector as a whole do not want you to know about just how powerful 5G will be. They don't want you to fully understand that the radiation from 5G will likely be far beyond anything we can currently understand or comprehend. Just know that this will likely be an information war between those companies and industries, and the parents, scientists, and researchers who feel that this will likely be a true danger.

One of the most important things you can do, if you feel so inclined, is to do your part advocating against the rollout of 5G. It's important to remember that although this technology is currently being tested, we have not yet reached a point where we can't

still stop it. It is also possible to get federal agencies involved in protecting their citizens. Or, at a minimum, delaying the rollout to further study the biological harm that the radiation from 5G networks will cause on human, plant, and animal populations.

If you feel inclined to speak out, the Parents for Safe Technology have put together a fantastic resource outlining ways that you can speak out against 5G. It includes agency email addresses and phone numbers, as well as education and stock letters to help you. You can find all the information you need on their [Take Action page](#).

For your further research, here are a few highly reliable resources:

- [Physicians for Safe Technology](#)
- [Parents for Safe Technology](#)

Also, [click here](#) to view my most favorite EMF protection products that I own and use on a daily basis.

Resources and References (in addition to the above links):

1. [Extremely low-frequency electromagnetic fields cause DNA strand breaks in normal cells.](#)
2. [Biological consequences of radiation-induced DNA damage: relevance to radiotherapy.](#)
3. [Trends in Nonionizing Electromagnetic Radiation Bioeffects Research and Related Occupational Health Aspects.](#)
4. [Epidemiologic evidence relevant to radar \(microwave\) effects.](#)
5. [Metabolic changes in cells under electromagnetic radiation of mobile communication systems.](#)
6. [On the possible origins of DNA damage in human spermatozoa.](#)
7. [Biological effects from electromagnetic field exposure and public exposure standards.](#)
8. [Eight Repeatedly Documented Findings Each Show that EMF Safety Guidelines Do Not Predict Biological Effects and Are, Therefore Fraudulent: The Consequences for Both Microwave Frequency Exposures and Also 5G Second Edition, May 23, 2019.](#)
9. [Electromagnetic fields and DNA damage.](#)
10. Genotoxic effects of radiofrequency electromagnetic fields.
11. [Cell phones: modern man's nemesis?.](#)
12. [Risks of carcinogenesis from electromagnetic radiation of mobile telephony devices.](#)
13. [Effect of electromagnetic field exposure on the reproductive system.](#)
14. [Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects.](#)
15. [Scientific evidence contradicts findings and assumptions of Canadian Safety Panel 6: microwaves act through voltage-gated calcium channel activation to induce biological impacts at non-thermal levels, supporting a paradigm shift for microwave/lower frequency electromagnetic field action.](#)
16. [Effects of High Voltage Nanosecond Electric Pulses on Eukaryotic Cells \(in vitro\): A Systematic Review.](#)

17. [A review on Electromagnetic fields \(EMFs\) and the reproductive system.](#)
18. [Biological and pathological effects of 2.45 GHz radiation on cells, fertility, brain, and behavior.](#)
19. [Wi-Fi is an important threat to human health.](#)
20. [Impact of Long-Term RF-EMF on Oxidative Stress and Neuroinflammation in Aging Brains of C57BL/6 Mice.](#)
21. [Cell Phone Radio Frequency Radiation.](#)
22. The BioInitiative Report 2012 (with 2014 and 2017 updates)  
bioinitiative.org/
23. Oxidative mechanisms of biological activity of low-intensity radio frequency radiation  
[www.ncbi.nlm.nih.gov/pubmed/26151230](http://www.ncbi.nlm.nih.gov/pubmed/26151230)
24. Scientific Research on 5G, 4G Small Cells, Wireless Radiation and Health  
[ehtrust.org/scientific-research-on-5g-and-health/](http://ehtrust.org/scientific-research-on-5g-and-health/)
25. ICNIRP 2020 guidelines do not protect against harmful health effects  
Appendix to the Summary proceedings of the lawsuit against the Dutch State to stop 5G. [www.stopumts.nl/doc.php/Artikelen/12536/redirect](http://www.stopumts.nl/doc.php/Artikelen/12536/redirect)
26. Evidence For Effects On The Immune System [bioinitiative.org/wp-content/uploads/pdfs/sec08\\_2007\\_Evidence\\_%20Effects\\_%20Immune\\_System.pdf](http://bioinitiative.org/wp-content/uploads/pdfs/sec08_2007_Evidence_%20Effects_%20Immune_System.pdf)
27. Reaction of the immune system to low-level RF/MW exposures  
Science of the Total Environment. [www.ncbi.nlm.nih.gov/pubmed/23562692](http://www.ncbi.nlm.nih.gov/pubmed/23562692)
28. Studies Reporting Disrupted Immune Function from Exposure to Low Intensity Radio frequency Radiation (Non-thermal) [bioinitiative.org/wp-content/uploads/2020/04/Final-Bibliography-RF-Charts-March-Immune-2020.pdf](http://bioinitiative.org/wp-content/uploads/2020/04/Final-Bibliography-RF-Charts-March-Immune-2020.pdf)
29. A Review on the Effects of Extremely Low Frequency Electromagnetic Field (ELF-EMF) on Cytokines of Innate and Adaptive Immunity  
pubmed.ncbi.nlm.nih.gov/30518268/
30. Radiation from wireless technology affects the blood, the heart, and the autonomic nervous system [www.ncbi.nlm.nih.gov/pubmed/24192494](http://www.ncbi.nlm.nih.gov/pubmed/24192494)  
[ecfsapi.fcc.gov/file/7520958029.pdf](http://ecfsapi.fcc.gov/file/7520958029.pdf)
31. Wireless Technology and Blood [hippocratesinst.org/learning-centre/blog/archive/wireless-technology-and-blood/](http://hippocratesinst.org/learning-centre/blog/archive/wireless-technology-and-blood/)
32. Effect of radio waves of millimeter frequency range on the body of man and animals  
[www.cellphonetaskforce.org/wp-content/uploads/2020/05/Zalyubovskaya-1978.pdf](http://www.cellphonetaskforce.org/wp-content/uploads/2020/05/Zalyubovskaya-1978.pdf)
33. The Biological Effects of Weak Electromagnetic Fields  
[www.ncbi.nlm.nih.gov/pmc/articles/PMC3780531/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3780531/)
34. E-book, 5G: Great risk for EU, U.S. and International Health!  
[www.radiationresearch.org/wp-content/uploads/2018/06/EU-EMF2018-6-11US3.pdf](http://www.radiationresearch.org/wp-content/uploads/2018/06/EU-EMF2018-6-11US3.pdf)
35. Effects of electromagnetic fields exposure on the antioxidant defense system  
[www.ncbi.nlm.nih.gov/pmc/articles/PMC6025786/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC6025786/)
36. Bioeffects induced by exposure to electromagnetic fields and mitigation by natural antioxidants [www.researchgate.net/publication/312147380](http://www.researchgate.net/publication/312147380)

37. Oxidative stress influences positive strand RNA virus genome synthesis and capping [www.ncbi.nlm.nih.gov/pmc/articles/PMC4332586/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4332586/)
38. Study of the correlation between cases of coronavirus and the presence of 5G networks  
[stateofthenation.co/?p=12846](http://stateofthenation.co/?p=12846)

Blessings,

Pastor Robert Reid, [EvanTeachr@aol.com](mailto:EvanTeachr@aol.com)  
[www.pastorbobreid.com](http://www.pastorbobreid.com)  
<http://jesusisthewaythetruththelife.com/node/22>