

Putting the Earth Inside a High-Speed Computer

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ON MAY 26, SPACEX FILED an application with the Federal Communications Commission for 30,000 “next-generation” (“Gen2”) satellites. They will orbit at between 328 km (203 miles) and 614 km (380 miles) in altitude. They will use frequencies from 10.7 GHz to 86 GHz. They will aim focused beams that will cover the Earth in a mosaic of overlapping cells, each cell being about 8 kilometers in diameter.

The databases filed with the FCC by SpaceX indicate that 40,700 1-MHz channels are available to each satellite, and that a minimum of 7.8125 MHz of spectrum is needed for each user, if I am interpreting them correctly. Which means the Gen2 Starlink satellites could be capable of serving up to 150 million Internet users at the same time.

This is not a good thing.

In my last newsletter I requested to hear from people who have been having heart palpitations since April 22. With its launch of 60 more satellites on April 22, SpaceX brought the number of its “first generation” (“Gen1”) satellites up to 420, which is the number it had previously announced it needed for “minor” coverage of the midlatitudes to about 56 degrees north and south. The responses to my request have come from far and wide, and I find them extremely disturbing. Here are some of them:

"I had a horrible bout of palpitations one evening while upstairs," wrote Julie from Bulgaria. "I keep a journal and had recorded it, as I felt as though I was going to pass out or worse! The date? The 23rd of April."

"I checked my calendar back on April 22," wrote Crystal from California. "Yes indeed, I was a MESS that day with heart palpitations. I was also extremely dizzy, fatigued, confused, irritable and bloated. I was such a mess."

"Not only have I been having heart palpitations for three weeks now," wrote Elena from France on May 20, "I am having breathing difficulties. I am only 33 and in perfect health otherwise, doing a lot of sport and eating well. There have been a couple of nights when I thought I would have a heart attack, I was suffocating, could not breathe and my heart was beating so hard and fast, you could hear it from another room."

"In April about the 22nd I awakened with double vision," wrote John from Alabama. "I went to the ER and a CT scan was done and I was referred to a neurologist. He said that I had a stroke."

"I love earthing – just walking barefoot on the earth," wrote Suzy from England. "I have noticed these last days that when I put my feet on the earth I feel like there is a jagged vibration instead of the peace that I usually experience."

"For the last month or so I have been getting the most heavy and intense heart palpitations I have ever experienced," wrote Ivan from British Columbia, Canada on May 20. "Also in this last month my ability to get a good night's sleep has deteriorated significantly for no apparent reason."

"I have been having heart palpitations," wrote Rebecca from the state of Washington on May 21, "and my nine-year-old daughter has been complaining of feeling heartbeat in her head and even her legs. This began a few weeks ago."

"I live in the south of Sweden, in the countryside, I'm 25 years old," wrote Nanna. "I have been experiencing heart palpitations, among other symptoms like aches, pains, itching and lots of tiredness. Not normal for me. We don't have a tower nearby or a router."

"My wife and I have been suffering from chronic fatigue for the past few weeks, and it never seems to go away," wrote John from New Mexico on May 20. For the first time in my life, I can have maybe three cups of coffee and be ready to go back to sleep within just two hours."

"I have been having nights where I wake up with heart excitement for the last month," wrote Gerilee from California on May 21. "I have had to do deep breathing techniques to calm my nervous system at night."

"I began experiencing intense heart palpitations on April 23," wrote Jennifer from California, "with episodes of them lasting for hours at a time and feeling like my heart would come out of my chest. I've never experienced anything like this before in my life."

"My health has regressed dramatically over the past month," wrote Rachel from northern Michigan on May 21. "Back around mid-April I started having extreme fatigue, muscle aches and tightness in my chest. If I didn't know better I would have thought I had the Virus, thing is no fever and the symptoms came and went. I am in my early 40s."

"I too have been experiencing heart palpitations over the past month," wrote Dignan from British Columbia on May 21. "They have gotten so bad at times that I can't fall asleep."

"I am one of the many who are experiencing detrimental effects following the last SpaceX launch," wrote Leanna from Indiana. "Chest pain, heart palpitations, hypoxia and excessive thirst. We built a healthy, low EMF home in the middle of a 6-acre woods. The satellites are also impacting my husband, my senior

cat, and my chickens.”

“My sister and I both have had abnormal sudden increase of heart palpitations,” wrote Billie from Florida. “We both just admitted that we have been literally coughing almost daily to get our heart back in rhythm. I am in my 50s and I am very healthy.”

“In the last month I’ve had heart palpitations,” wrote Mustafa from Michigan on May 21. “I am a very healthy 32-year-old who lives a holistic lifestyle.”

“I have experienced heart palpitations for the past few weeks,” wrote Eva from Luxembourg on May 20. “I am also out of breath quicker than before and I have started putting on weight without changing my diet. I am 46 years old.”

“I have 100% been receiving heart palpitations since April 22,” wrote Luke from London. They seem to have calmed but it has been like nothing I have experienced. I’m a personal trainer and therapist who is in touch with his body.”

“I have been experiencing heart palpitations since April 22,” wrote Ellen from Leiden, Netherlands. “They were already present once every so often, but they have increased in intensity.”

“I have sometimes been waking up with heart palpitations during the night in recent weeks,” wrote Deborah from Indiana on May 20. “Not severe, but strange. And a friend of mine mentioned the same thing.”

“I have been to the Emergency Room, April 28th and May 16th and had to be cardio converted twice because of a severely out of rhythm heart,” wrote Michael from the state of Washington. “They gave me medication after the first one that didn’t do a thing for the second attack. Plus I had a blood clot in my leg so severe they are going to have to remove the vein, it is so damaged. All this came out of nowhere.”

"Last few weeks I live and sleep barefoot in the garden and I am constantly grounding," wrote Evelina from California, "and yet when I go to bed at night there is this charge and restlessness in my body, I feel like I am going to explode."

"We live in France and we have shortness of breath and palpitations for no reasons at times including my kids," wrote Veronika. "We live in nature, completely lost in nowhere so to speak, no mast close by, no mobile or WiFi or any other wireless devices. I thought I had the COVID-19, it was scary as I really had a hard time to breathe and constant heart palpitations. The biggest surprise to me was, and I shared that to all I could, that I didn't feel ill like any other viral illness I ever had. I felt IRRADIATED! That was the only way I could explain what was happening to me to my family and friends."

"I am experiencing cardiac arrhythmia for the first time in my life," wrote Humphrey from England. "My breathing is also affected. I don't seem to be able hold my breath for as long now."

"I, too, have experience heart palpitations and pain in my sternum since the launch," wrote Jacquie from British Columbia. "I have had heart palpitations since the satellites were launched," wrote Jennifer from England, "also burning eyes, low-level headaches on the top of my head and memory issues."

"I have been experiencing heart palpitations, racing heart, and erratic heart rhythms over the past 6 weeks, out of the blue," wrote Megan from Colorado on May 27.

"I woke up at 1:30 a.m. about a month ago and my heart was top speed until 3 a.m.," wrote Appley from Ireland on May 22. "My partner was very worried, my whole body shook for the whole period of my heart racing."

"I just read your newsletter from yesterday and found out the

satellites went up at the same time as my symptoms,” wrote Ali from Florida. “I crashed and couldn’t stay awake more than 5-6 hours at a time for almost three days.”

“Since the end of April several people I know who normally do not get headaches and migraines have begun to experience them,” wrote Danica from the state of Washington. In particular, my niece who is only 4 years old got two migraine attacks while she was outdoors playing, and she had to be hospitalized because of the vomiting.”

“I also had heart problems at that time without any recognizable reason,” wrote Veronika from Austria. “I have been very sleepy for weeks now without reason and sleeping at night has become an effort.”

“Me and my wife, we both noticed indeed to have very recently heart palpitations,” wrote Stijn from Belgium. “And myself I’m experiencing very little stings all over my body.”

The full extent to which the 420 satellites are being tested is unknown to me. They are communicating with ten earth stations located in the United States. They are being tested by the U.S. Air Force for use by military aircraft. SpaceX intends to keep launching 60 satellites at a time every couple of weeks. The next launch is scheduled for tonight, May 3, 2020, at 9:25 p.m. Eastern Daylight Time. SpaceX plans to begin what it calls beta testing with perhaps 10,000 private customers about three months from now when it has about 840 satellites in orbit. Beta testing alone could have devastating consequences. If and when Starlink signs up millions of paying customers, it is possible that nothing will survive – no humans, no animals, and no insects. It is likely that it will be blamed on COVID-19, unless this world wakes up in time.

The Digitalization of the Ionosphere

The harm from satellites is not due primarily to the radiation levels at the earth’s surface. The satellites are in low

orbits, but they are still hundreds of miles above us, and the levels of radiation they expose us to here on the ground are at most about 10^{-5} $\mu\text{W}/\text{cm}^2$. That is about one-millionth of the levels we are exposed to from cell phones, computers and cell towers.

The threat to life comes instead from the fact that all these satellites are located in the ionosphere. The ionosphere is a source of high voltage that controls the global electric circuit, which in turn provides the energy for life. A brief discussion of the science can be found in my 2018 article, "[Planetary Emergency](#)". Those who wish more detail may wish to consult chapter 9 of my book, [The Invisible Rainbow: A History of Electricity and Life](#), and the bibliography supplied with that chapter. That chapter is titled "Earth's Electric Envelope."

Very briefly, all animals and plants are polarized positive to negative from head to feet, or from leaves to roots. An electric current of picowatt per square meter amplitude flows from the positively charged sky to the negatively charged earth in fair weather, courses through the earth beneath our feet, and returns to the sky via lightning bolts during thunderstorms. Every living thing is part of this circuit. The current enters our heads from the sky, circulates through our meridians, and enters the earth through the soles of our feet. This current provides the energy for growth, healing, and life itself. We do not live by bread alone, but by the energy provided to us by the biosphere. Oriental medicine calls it qi or ki, Ayurvedic medicine calls it prana, and atmospheric physicists call it electricity. It provides us energy for life, and information that organizes our bodies. If you pollute this circuit with billions of digital pulsations, you will destroy all life.

It is one thing to sit in front of a computer all day, or hold one in your hand. It is quite another to live inside of one. This must be prevented. There is no more important task on the

Earth right now – not climate change, not deforestation, not plastics in the ocean, and not stopping 5G on the ground. None of that will matter if SpaceX is allowed to go forward with Starlink.

Thank you for your continued support of the Cellular Phone Task Force and the educational, legal, advocacy and networking activities that we fund.

[Link to PDF of “Putting the Earth Inside a High-Speed Computer”](#)

[Link to International Appeal – Stop 5G on Earth and in Space](#)

See also: [5G – From Blankets to Bullets](#)