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Submitted By:

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Testimony in Support of:

SB 281 -- Labeling Wireless Digital Devices

SB 282 -- Limiting Screen Time in Schools

SB 283 -- Reducing WiFi Radiation in Schools

Submitted To:

Oregon Legislators; Committee Members; Sponsor; Co-Sponsors

Dear Esteemed Legislators,

I commend you for addressing the issue of the health effects of wireless technology in schools, an issue of the utmost importance and urgency.

By way of introduction, my name is Dafna Tachover, I'm an attorney and I have wireless technology background as a telecommunications and computers officer. I'm the founder and managing director of "*We Are The Evidence*", an advocacy group that represents the many adults and especially children who have become sick by wireless technology radiation, including many in Oregon.

Unfortunately, unlike what the public is being told, the harms of wireless technology are scientifically proven with many thousands of studies, they

are NOT potential but EXISTING and epidemic in scale. I'm saying this as an attorney who knows the evidence and has litigated it in court.

In 2012, I led a Supreme Court case in Israel to replace the use of Wi-Fi networks with wired connections to the internet. Sadly, but not surprisingly, we exposed an epidemic of sickness among children in the schools from the Wi-Fi systems. We provided evidence of over 200 sick children in only 6 schools that we checked. They developed *Microwave Sickness* (also known as *Electromagnetic-Sensitivity*) which is the most immediate and widespread manifestation of wireless harms. As a result of the case, Israel has become the first country in the world to limit the use of Wi-Fi in schools. Wi-Fi is banned up to the age of 6, allowed for 1 hour in grades 1-3 and 1-2 hours in grades 4-6. This is not protective enough, but it is a start.

Unfortunately, the situation in terms of sickness of children in Oregon from wireless technology is not different. In June of 2018, I spent a month in Oregon meeting with public officials and giving many lectures in Portland, Eugene and Ashland on the issue of wireless health effects. The lectures were attended by hundreds of people (one Ashland lecture had about 400 people). I was approached by many who attended who have become sick from wireless technology radiation with Microwave Sickness. The lives of those who develop the condition is a living hell as they are "allergic" to wireless in a wireless world. I also met with families with children who have become sick from the Wi-Fi in the schools.

These children are suffering various symptoms when they are exposed to Microwave/Radio-Frequency based wireless technology devices and infrastructure -- including cognitive symptoms that impair their ability to think such as headaches, concentration problems, and memory problems. Other symptoms include nosebleeds, heart palpitations, nausea, sleep problems, digestive problems, skin rashes, noise sensitivity and others.

Unfortunately, these symptoms are the result of severe physiological injuries caused by exposure to wireless radiation. Studies show that these symptoms are a result of damage to various systems in the body including damage to the Blood Brain Barrier, impaired blood flow to the brain, oxidative stress that can also lead to cancer, non-cancerous conditions,

DNA damage, and others. The long term effects of exposure to these children is severe and may lead to degenerative neurological diseases.

Every week I am being approached by more children and their parents after they developed sickness from wireless. Many are being forced out of schools because schools are refusing to accommodate them in violation of the Americans with Disabilities Act as their condition is an inconvenient truth. *I am attaching testimonials of 3 children who have become sick from the Wi-Fi in the school and were forced out of school as a result.*

I'm practically living in my car constantly traveling to awaken communities, legislators, and elected officials to what is right in front of all of us - an epidemic of sickness. I do it mainly to help children who have become sick -- as their most basic human and civil rights are being violated on a daily basis while their health is being harmed.

I am in touch with numerous doctors who attest to the sickness of children from wireless they see in their clinics on a daily basis. Many times the parents have no idea that wireless is the cause of their children's symptoms. After these doctors recommend removing exposure to all wireless devices, the children are immediately getting better. *I am attaching a testimonial of a Navy Trained Physician and flight surgeon who is now a family doctor regarding the sickness he sees in his clinic.*

I am also in touch with teachers who attest that they see the adverse impacts from the use of wireless devices on the health and cognitive abilities of the children, including children with special needs. *I'm attaching a testimony of a special needs teacher explaining her experience teaching autistic children.*

To think that electromagnetic radiation that is Quintillion times (100,000,000,000,000,000) higher than what our body evolved to tolerate is safe is an absurdity. Our brain is electric, our heart is electric, our nervous system is electric and our cells communicate electrically - the question is not how it can affect us but how can it not affect us.

Wireless radiation is involved in the increase of many health problems in the past 10-20 years. Microwave Sickness is the most immediate and

widespread manifestation of wireless harms. ADHD, fertility problems, cancers, anxiety, and Alzheimer's are some others. Ample scientific evidence exists to correlate the increase in rates of these conditions to the exponential increase in exposure to Microwave radiation from wireless technology. While the wireless industry is making money, people carry the health and human costs.

**Ignoring the facts does not change them, but merely increases the size of the problem -- and we already have an epidemic size problem. Unfortunately, what is technologically possible is not always biologically plausible.**

In 2017, over 240 scientists including scientists from Oregon, submitted an Appeal. In it they stated that the adverse effects of wireless technology are proven, that there is a pan-epidemic and that: ***"inaction is a cost to society and is not an option anymore"***.

Please take action to protect these children.

Thank you for your consideration,

Dafna Tachover



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## *Testimony of A 14 y/o Boy Suffering Health Effects From Wireless*

*Age: 14, 9th grade student*

*My Message: This is my first year in high school, but I am not able to experience it like other kids my age are able to. I wish that someday I will be able have a safe environment at school, with protection from Wi-Fi and cell towers so that my brother and I and other kids who developed microwave sickness can go to school. I also want the government to protect me and others like me who have microwave sickness so we can have a normal life, because this is a real problem.*

*Wireless Health Effects: Headaches, insomnia, fatigue, allergies, rashes, concentration problems*

*Wireless technology has affected my life: I have had microwave sickness since I was 9 years old, and I am currently 14. My life was normal until I was 9, when I was in the fourth grade. When I went back to school in the fourth grade after summer was over, I got many health problems suddenly. I had bad headaches, but I didn't have headaches before. I could not sleep, even though I was very tired. I felt nervous all the time and my heart would pound, even though there was no reason for it. I got very bad allergies suddenly, and my nose was stuffed up all the time. Then I got a very bad rash that made it painful for me to use my hands for normal things, like writing and playing ball. I also could not concentrate on school work anymore. Things did not make sense to me anymore. I would read things over and over again, and I just could not understand what they were saying. Even doing simple tasks like getting ready in the morning took me a very long time to do, because I would stop constantly to think about what I had to do next. I also had a lot of nosebleeds for some unknown reason. I was not like this before. Going to school became very hard, because I did not feel well at all, and I could not concentrate. Life became hard.*

*I went to a lot of doctors, but they didn't know what was causing my problems. We didn't figure it out until a year later. My mother discovered there was a cell tower next to the school that was upgraded in the summer before I went back to school and became sick. Then one of my doctors said that this could be the cause of my problems. That summer, after school was over, I felt normal again. We also removed all the wireless technology from my house because of my doctor's*



*Testimony by: Child 1*

*recommendations. Then I transferred to a new school without a cell tower, and I was doing very well there for the first month. But then I started reacting to Wi-Fi and cell phones at school!*

*My younger brother developed the same problems later from school Wifi as well.*

*Now we have the same symptoms when we go to other high wireless radiation areas, like airplanes and airports. So we don't travel much, except to visit family who will turn off the Wi-Fi at their house for us.*

*Now I am homeschooled most of the school day, and I go to school for only a couple hours. My previous school accommodated me by giving me a hardwired computer, which helped. But then I moved, and my new school wouldn't accommodate me, even though my doctors have written letters asking them to. The school just says what I am suffering from is not real, as if we are making this up. They have treated us badly. At school I am surrounded by other kids using cell phones constantly, and there's a Wi-Fi router in every classroom. When I went to school full-time, I was so miserable with headaches, rashes, concentration problems, and nervousness that I went back to homeschooling most of the day. Being new and not being able to go to school full-time, I have not made friends and I feel isolated. So when I go to school, I suffer, but when I am homeschooled, I feel lonely. Sometimes I get angry and sad that this has happened to us and other kids and adults, and now we cannot go to regular, everyday places that we should be able to go without getting sick.*

*Sincerely,*

*Child 1*

## *Testimony of A 14 y/o Girl Suffering Health Effects From Wireless*

*Age: 14, 8th grade student*

*About a year and a half ago I was on a trip with my school, when I realized that I was getting a really bad headache when I was in the bus. At the front of the bus were two router boxes for wifi. Before that, I was getting nose bleeds at school, and sometimes they lasted as long as an hour. I would also get really stuffed up at school. I started to keep track of when I get stuffed up, and realized that it was when I was around wifi. It is not something that I like to talk about with other kids, because I know that most of them do not understand it.*

*I am going to high school next year, and all of the schools I have looked at have wifi routers in every classroom, as well as smart boards. Some schools even have cell towers on the top. I am not sure whether I will be able to go to school, because of my reaction to wireless radiation, or whether I will have to be homeschooled.*

*I would really rather go to high school. I am at the top of my class right now in school. I have always liked school. I get these symptoms from wifi regardless of whether I am doing something fun or stressful. I cannot stay overnight at friends houses very well, when they have wifi. I have to limit the amount of time I spend shopping, for example, at the Mall of America, because of the high level of wifi-type radiation there. When I am around cell towers, my head hurts. Around wifi now, my hands get a rash, and if I am around the wifi regularly, then they will crack and bleed. My hands get better on the weekends when I am not around wifi, and then when I go back to school I get the rash again. When I am away from wifi and cell towers, I feel great, and I have no headaches, no stuffiness, and no rashes.*

*I hope that you can look at this issue carefully, and help ensure I can go to school.*

*Thank you.*

## ***Testimony of an 8 y/o Child Who Was Forced out of School Because Wi-Fi and Was Forced to Move Homes and States Because of “Smart” Meters***

*Age: 8, a 3rd grade student*

*Wireless Health Effects: Dizziness, nausea, extreme pressure in head, memory and concentration problems, agitation, depression, sudden crying*

*How did you make the connection between the symptoms you were experiencing and wireless radiation? I told my mother that every time they turned on the SMART Board at school I would get dizzy. She then came into my class and measured the levels of radiation with a meter. The levels in the classroom were dangerously high (125,000 microwatts/meter sq), but the only way my mother understood that all of my dizziness and nausea were electrosensitivity was after she became electrosensitive herself. When she came to measure in my classroom, the wifi was so strong that she got sick and from that day on she was able to feel what I had been feeling all along from wifi and cell towers. Until she got sick herself, she thought I had been making it up when I told her for months that I was dizzy after school.*

*What symptoms do you experience when you are exposed to radiation? I would get dizzy, feel like I'm going to throw up, feel like my forehead/top half of my head was blowing up, unable to remember anything/concentrate, can't sit still/need to move around in unusual ways. Depression/crying for no reason (only from strong exposures).*

*How did becoming injured by wireless affect your life? We had a smart meter on our house also, outside my bedroom on the other side of the wall next to my bed – basically 4 feet from my head, about 1 foot from my legs. After it was removed my brother started acting much nicer to me all of a sudden. We had a second smart meter on the neighbors house, about 10 feet from my head where I slept. He also removed his.*



*But we had to move to a town where we could find a school without routers in the ceiling and not under a cell tower. In Where we used to live all the schools had wifi and were near cell towers. It was so bad that I had to be homeschooled until we moved.*

*Our new house had a smart meter and we removed it immediately, but the neighbor refuses to remove theirs and I feel bad in many parts of our house. I feel the radiation from the meter. My mother has also measured the pulses and this meter that isn't even ours is pulsing into about half of our home including the kitchen and dining room. So even the bedroom that was supposed to be mine - I*

*can't sleep in it and need to share a room with my brother ((who is also electrosensitive and fights with me a lot since we moved)).*

*How has becoming injured by wireless affected you social life?? These things in my life are affected since becoming electrosensitive: riding in the car I get dizzy - lots of towers. In class I get dizzy, the teacher has a cell phone that is always on even though not in use and it affects me. Some of the kids also bring their phones to class. I can't do karate, can't do as much dance class as I want. Can't have playdates/sleepovers at most people's houses because they say they will shut off the wifi but don't really seem to do it. Flying on the plane is awful. The airport is the worst place of them all and the airplanes have wifi also. So I don't really fly anywhere.*

*Playdates are a problem because if I go to a home with wifi, then I feel dizzy and afterwards my behavior and memory change, sometimes for days. Sleepovers are not possible for the same reason.*

*Lots of playgrounds and parks are not good for us because they are under cell towers. Even at the playgrounds without towers, all the parents are on their phones!*

*Finding sports activities is also difficult. I really wanted to dance but all the studios have wifi. In the end I go to a jazz class but the wifi is strong.*

*What would you like to tell the public and public officials? Please do something about this. I was not able to go to school because radiation is everywhere and now they are talking about getting a SMART Board in my new school room. This worries me very much because I hated homeschool.*

N.



# Testimony of a Doctor

## Testimonial of [REDACTED]

My name is [REDACTED], and I am a United States Navy trained Minnesota licensed family physician. I graduated from the College of Osteopathic Medicine and Surgery in Des Moines, Iowa. My medical career includes 25 years in the US Navy, which included serving as flight surgeon for United States Blue Angels and medical director for all the naval medical clinics in the Midwest United States. In 1994, I retired from the Navy and joined [REDACTED] [REDACTED] Medical Center as a family physician. In 2001, I founded the [REDACTED] in [REDACTED], MN. In the last five years, my practice has focused more on treating chronic illness through environmental medicine. Environmental medicine deals with the body's exposure to chemicals and EMF, which includes wireless radiation from cell phones, cell towers, and Wi-Fi, and its harmful effects to all of us.

Microwave sickness, aka electrohypersensitivity, is a real medical phenomenon with physiological causes, and not of psychosomatic origin. Those with an impaired ability to detoxify, an impaired immune system, and/or an impaired ability to deal with oxidative stress are more vulnerable to the effects of microwave radiation. There have been thousands of studies from around the world attesting to the biological effects of wireless radiation. I have patients with microwave sickness. Even in my patients who do not have microwave sickness, when they reduce the levels of wireless radiation they are exposed to per my recommendations, their symptoms improve significantly. I advise all my patients to reduce the time that they use cell phones and Wi-Fi, and to use Ethernet wiring for their computers. In my office, we do not use Wi-Fi, cordless phones, or any wireless devices. Below I will share some of my patients' stories.

I have seen pediatric patients improve when they reduced their wireless exposure. For example:

Patient #236 is a four-year-old boy with autism whose father reported that after turning off the Wi-Fi at home, his son's speech was improved.

Patient #412 is another four-year old autistic boy who was confined to the home because his behavior was out of control when he went anywhere -- he could not be taken to a store or restaurant; after spending 2 hours at my clinic without any wireless devices, he was calm and well-behaved, and his parents commented they had never seen him behave so calmly.

Patient #424 was a 10-year old girl who was an outstanding student until she suddenly developed anxiety at the start of a new school year after moving to a different floor of her school (higher wireless radiation likely on the different floor); her anxiety was so

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severe she could not go to school anymore; after beginning homeschooling and after turning off wireless devices at home per my recommendation, her anxiety stopped. An additional benefit to no wireless at home was that her brother stopped bedwetting.

A three-year old girl who is the daughter of one of my staff was bedwetting numerous times in the night; after the mother turned off the wireless security system in the home, the daughter stopped bed wetting.

Patient #195 was one of the most dramatic improvements that I have seen with reducing EMF exposures. She had Fibromyalgia, chronic fatigue, joint pain, tingling sensations, depression, insomnia, and digestive issues. She had been in bed for nine months. She'd been to the Mayo Clinic, allergists, a mitochondrial specialist and several other neurological physicians prior to becoming my patient. I recommended that she have her home evaluated for EMF. She had a lot of wireless and always was on an iPad. She couldn't even go out to the car for long stretches of time without going in a wheelchair. After turning off all wireless in her home she saw a dramatic change. Within a week she was up and cooking for the family. Within another week she was walking down the block and then shortly after that was riding her bike through town. I followed up with her a year later and she was doing much better. She was able to exercise regularly and was reengaged with her family. What made her most happy was that she could now play with her kids again.

Patient #349 lived near cell phone antennas. She was having symptoms of extreme anxiety. They got a bed canopy to shield the cell phone tower radiation and she turned off the sources of wireless radiation in her home. Afterwards, she reported that her insomnia and anxiety were no longer an issue.

Patient #397 lived in Minneapolis, in a building with many windows overlooking the city. The wireless radiation levels were very high coming in. After getting a shielding sheet and canopy to shield her from the radiation, she felt significantly better along with improved sleep. She had been sleeping near the main Wi-Fi router and had many wireless gadgets which she ended up disabling. She felt a significant difference. She was also concerned about the deterioration of her eyesight. She decided to move to Santa Fe, New Mexico with no wireless exposure.

Patient #502 had high RF exposures from wireless sources in his home as well as cell phone antennas on multiple sides of the home. He had severe insomnia. After getting a canopy to shield against the cell antennas from outside the home, within a few days this message was received from him:

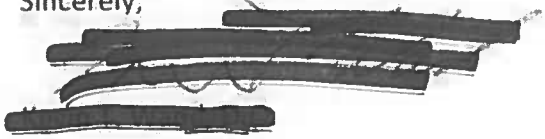
"We just want to give you a big thank you for all the great work you've done to help us be healthier and live better. I am back to sleeping normally and I thank you so much!" Stay well

Dr. #502 and wife

Patient #66 has Parkinson's. Her whole body was wobbling and shaking so much she could hardly sit or stand and it was very difficult to walk and understand her speech. The building biologist I referred her to reduced the wireless radiation in her apartment from 9000 uW/m<sup>2</sup> down to 150uW/m<sup>2</sup>, over a 90% improvement, by turning off the Wi-Fi cordless phone, tablet, smart phone, and wireless printer in her home. After the building biologist finished shutting sources of wireless radiation off, she calmed down noticeably. After 6 weeks, she said she was feeling much better because her headaches were reduced and her sleep improved.

These patient stories, my experience as a practicing physician, and the science on the biological effects of microwave radiation going back over 50 years attest to reality of microwave sickness.

Sincerely,

A signature that has been completely redacted with black ink, consisting of several horizontal lines of varying lengths.

## *Testimony of a Special Education Instructor As To Sickness She Sees In Special Needs Children from Wi-Fi Radiation*

Name: Desiree

Occupation: Special Education Instructor, ASD and DCD.

To Whom It May Concern,

I am someone who chose to be "blind" to threats to my health and wellbeing for many years. I would doubt my own intuition and signals from my body. I was easily able to "brush off" my own health. Even though I have noticed signs of WiFi sensitivities in myself such as difficulty sleeping, increased anxiety, a metal taste in my mouth after holding my phone for too long, and electricity up my arm when using a device. It is when something becomes a threat to people I care about that I become passionate and driven. This is how I became more aware of the harm of WiFi radiation.

First, through my work. My passion is the education, health and wellbeing of children and adults with disabilities, specifically those with the high sensory needs of Autism. I would see videos or hear stories of children with Autism being affected by WiFi. In my first few years as a teacher I ignored these claims, because knowing the truth can be hard sometimes. It can be an inconvenience. But I started to pay more attention. I saw that my students would have more aggressive and self-injurious behaviors after direct exposure to devices and in close proximity to routers. Some of these behaviors include biting themselves, head butting/banging into a wall, crying, hitting and scratching others, etc. They would seem to go deeper into their own mind and to be suffering from the inside out. When the devices and proximity is removed that they improve their mood and cooperation levels. The problem is, there are over 50 WiFi routers in my school. It is impossible to escape them. I have been working in the field for 14 years, and it seems the intensity of behaviors with students only seem to get worse with the prevalence and increased use of WiFi. These kids deserve a better quality of life where they're not constantly being over stimulated by these radio waves.

When I met a close friend of mine who is severely affected by WiFi is when I started becoming more informed about the issue. I went to informational sessions and decided to start trying to understand. I would see her struggle with things as simple as going to the grocery store, due to the physical effects the exposure had on her. She



*Testimony by: Special Needs Teacher*

would get tremors, have difficulty sleeping, and become nauseated. Her home is her sanctuary because she spent a large chunk of money to make it a WiFi free home using Ethernet internet connection instead. Spending time in her home made more of an impact in my understanding of how I feel without WiFi. When I am in the WiFi free environment I feel calmer, I do not get heart palpitations or feel electric waves up my arms. I feel clear headed. I am still looking into the investment of redoing my home with Ethernet. This should not be an expense I have to worry about, a harm I have to worry about. Just as no one should have to be confined to their home to feel well.

Please consider the safety and health of my students, friends, and myself. Do what you can to put restrictions around the use of WiFi. There are ways to have convenience and information without harming so many people. Thanks for your time.

Desiree