

Wi-Fi and Horses Unhealthy Combination

Part 2

On the FCC guideline in relation to the health and viability of horses at Churchill Downs

June 19, 2023 | Zero5G.com |



The Federal Communications Commission (FCC) guideline for public exposure to Radiofrequency/Microwave (RF/MW) radiation does not constitute a public exposure standard. Established in 1991 by the industry association Institute for Electronic and Electrical Engineers (IEEE) without public health or environmental science input and rubber-stamped in 1996, the guideline fails to address any parameter of harm other than exposure level.

The guideline has been demonstrated to have been produced in scientific fraud, in that the ~120 bio effects studies chosen by IEEE to prove a lack of adverse effects at levels less than IEEE's Hazard Threshold actually include 15 studies concluding adverse effects at lesser levels, thereby instead proving harm. Moreover, lacking consideration of conditions of constant radiation exposure over time, the guideline is not responsive to real-world situations. Indeed, no other factor related to biological harm, such as modulation characteristics, specific wavelength (frequency), or the complexity of a radiation microenvironment, is considered in the FCC guideline. Vulnerable subgroups and susceptibilities in exposed individuals are intentionally omitted, contrary to the Environmental Protection Agency's (EPA's) warning in the 1990s that FCC must consider them.

The FCC guideline has been challenged in federal court in recent years. (See Case No. 20-1025: *Env'tl. Health Tr. v. Fed. Communications Comm'n*, 9 F.4th 893 (D.C. Cir. 2021).) The D.C. Circuit Court of Appeals declared FCC's rulemaking, including and beyond its 4G–5G+ expansion, “arbitrary and capricious” and without “reasoned explanation”, in connection with the guideline protective of neither health nor the environment. FCC had failed to go through its required review under the National Environmental Policy Act (NEPA) for deployment of so-called “small” cells – these with power outputs similar to those of large cell towers. Americans submitted 11,000 pages' worth of bio effects studies onto court records in one federal case against FCC. Although ordered by the D.C. Court to review and redo the guideline, the FCC failed to do so. Thus, as of June 2023, FCC has no guideline for frequencies >6 GHz, even though such frequencies are currently deployed in public exposure areas. For [example](#), Churchill Downs horses, spectators and workers are exposed at all times to a frequency of >11.325 GHz – outside the bounds of the FCC guideline.

Generally, the FCC guideline is a maximum permissible exposure of 10 million $\mu\text{W}/\text{m}^2$. While varying somewhat across the electromagnetic spectrum, this is extremely excessive in relation to human, animal, and plant health. This power flux density or exposure level is purposed to accommodate wireless industry interests in broadcasting strong signals. By contrast, the amount by which the telecom industry is supposed to be regulated under the Telecommunications Act of 1996 is the [power necessary to achieve 5-bars on a cell phone: -85 decibel-milliwatts \(dBm\) or 0.002 \$\mu\text{W}/\text{m}^2\$](#) . The difference of ~10 orders of magnitude should convince anyone of the guideline's arbitrariness – and failure to protect.

Radiofrequency Electromagnetic Microwave Radiation Exposures

We are constantly bombarded with pulsed, data-modulated, Radiofrequency Electromagnetic Microwave Radiation (RF-EMR) exposures due to the proliferation of cellular wireless, radio and television signals. The emergence of densified 4G/5G will exponentially increase these RF-EMR exposures, resulting in scientifically-established melatonin-suppression, immuno-suppression, immediate and direct neurological damages and acceleration of the growth of cancerous tumors. (In the table, below, $\mu\text{W}/\text{m}^2$ is millionths of a Watt spread over a one-square-meter area and \times is a multiplier).

Power Output Scale	Consequences on Human Health (based on thousands of published studies)	$\mu\text{W}/\text{m}^2$
0.0005x	EEG altered in humans; alters brain waves	0.000001
1	FIVE BARS ON CELL PHONE	0.002
15,000x	Sleep disorders, weakness, fatigue, pain	30
50,000x	Human sensation	100
500,000x	Decreased cell growth, humans	1,000
600,000x	Childhood leukemia	1,200
1,250,000x	Impaired motor function, reaction time, memory, attention	2,500
3,750,000x	Altered white blood cells, humans	7,500
5,000,000x	Headache, dizziness, fatigue, weakness, insomnia, humans	10,000
15,000,000x	Microwave hearing	30,000
25,000,000x	Leukemia, skin, melanoma, bladder cancer	50,000
50,000,000x	Impaired memory, visual reaction time, humans	100,000
5,000,000,000x	FCC Maximum Permissible RF-EMR Exposure Guidelines, General Pop.	10,000,000

Conclusion: The measurements above explain why **close proximity** to the proposed million+ of microwave cell towers for the U.S. would be hazardous to the health of U.S. citizens. We need only **0.002 $\mu\text{W}/\text{m}^2$ (-85 dBm)** of RF microwave radiation for wireless telecommunications service. A locality can, therefore, set a **maximum output limit** from all frequencies/ antennas from Wireless Telecommunications Facilities (WTFs) in the public rights-of-way or in close proximity to where people live, sleep and heal at **0.1 Watt of Effective Radiated Power (ERP)** because that provides -85 dBm signal strength at a 1/2-mile down the street, with five bars on a cell phone and the **capacity needed** for everyone to make a call.

A typical WTF in the public rights-of-way outputs Effective Radiated Power at 1,500-7,500 watts ERP, which is between 15,000 and 75,000 times more power than is necessary to make "five-bar" cellular connections.

As measured at Churchill Downs in 2022, the average power flux density (exposure) level in the far-field ambient environment, i.e., from the antennas on the tower, is 14,693 $\mu\text{W}/\text{m}^2$, exceeding levels shown to cause harm in human and animal studies. Given the extremely xenobiotic (foreign-to-life) pulse-modulation of this microwave radiation and the peaks that exceed this averaged amount, adverse bio effects are predictable in humans and horses. The scientifically based RF/MW radiation exposure guidelines published by the International Institute for Building-Biology & Ecology conclude that $>1,000 \mu\text{W}/\text{m}^2$ is an "extreme hazard". Churchill Downs measures more than 10x higher radiation levels than this "extreme hazard" from ambient radiation alone – even without considering the wireless devices recently placed immediately upon the horses' bodies, not to mention other microwave radiation sources such as jockey's and others' cellphones, wireless security configurations, and other devices in areas where horses may be stationed or running. The total radiation from all devices while on and functioning must yet be measured in order to show jockeys, investors, insurers and others the nearfield as well as far-field exposure levels for themselves and their valuable horses.



According to the AT&T site AntennaSearch.com, antennas on the tower at Churchill Downs are operating outside the frequency bounds of the FCC guideline, deploying 11.325 GHz despite the guideline's endpoint at 6 GHz. This is a wavelength of $\sim 2.6 \text{ cm}$ or $\sim 1 \text{ inch}$, producing maximum absorption – and potentiating devastating resonance effects – in horses' eyes, brains, and hearts, and in jockeys' genitalia. With this wavelength, the radiation reflection throughout a horse's body from its aluminum horseshoes can produce resonance-related effects, which could cause a horse's collapse.

Other simultaneous wavelengths in operation at Churchill Downs and their respective harmonics will interact through heterodyning to produce a near-infinite number of wavelengths, practically ensuring resonance and serious effects. Comprehensive inquiry into the many horses' demise would also include questions of injectables such as RFID chips and tags, nanotech, and the possibility of metals in vaccinations, which could be activated, or whose effects would be exacerbated, by the wireless devices' and infrastructures' radiation.

Microwave Radiation – Towers & Antennas

**South 4th Street
Louisville, Kentucky**

**No FCC guideline exists for
ongoing and new transmission
frequencies > 6 GHz.**

11325 MHz = 11.325 GHz



Contact Info

Company	Verizon Wireless
Contact	Licensing Manager Manager
Phone	770797070
Email	Licensingcompliance@verizonwireless.com
Alt	Regulatory
Address	5055 North Point Pkwy, NpZira Network Engineering Alpharetta Ga 30022

License Info

Company	Calico Partnership
Contact	NA
Phone	770797070
Email	Licensingcompliance@verizonwireless.com
Alt	Regulatory
Address	5055 North Point Pkwy, NpZira Network Engineering Alpharetta Ga 30022

Transmitter Characteristics

Service Type	Cellular
Cell Sign	WQKC628
Service Level 1	Cellular
Service Level 2	Backhaul
Service Gen	Backhaul
Latitude	38.2008
Longitude	-85.7661
Structure Type	Tower
Date Constructed	NA
Ground Elev	438 feet
Height of Structure	127 feet
Overall Height	565 feet
Structure Address	South 4th Street Louisville Ky

Transmitter Frequencies

Emitter Class	Freq(MHz)	Power (Output Watts)	Power (Radiated Watts)
1	11325	NA	NA

https://www.antennasearch.com/HTML/individual/antenna.php?unique_system_identifier=3090751&call_sign=WQKC628&location_number=1

https://www.antennasearch.com/HTML/individual/antenna.php?unique_system_identifier=3090751&call_sign=WQKC628&location_number=1

Location: South 4th Street, Louisville, Kentucky, 40208

[Link](#)

[To AntennaSearch.com](#)

From a biological protection perspective, the property owners in contract with antenna carriers at Churchill Downs should explore legal options to cease tower-antennas' and other wireless operations on days when horses are present, particularly on race days. The antennas broadcasting beyond 6 GHz, at 11.325 GHz, should be removed permanently. Wireless devices, chips, tags, nanotech, and conductive materials intended for placement upon or within horses' bodies must be prohibited and, where possible, removed.

Below is the content from Part 1 written by Dr. Arthur Firstenberg that has brought into focus the effects Wireless Energy on the rash of horse deaths earlier this year in 2023.

I have written a lot on **5G** Wi-Fi and its effects on the health of humans, bees, and birds. I am sharing a story from Arthur Firstenberg, author of *'The Invisible Rainbow'*. Being a victim of Wi-Fi poisoning through EMF/EMR electrical radiation I follow closely the issue of **5G** Wi-Fi. This is another example of the effects of **5G** wireless energy and this time it has resulted in the death of 12 horses at Louisville, KY Churchill Downs.



Horse named Lost in Limbo dies at Churchill Downs

RACEHORSES AT CHURCHILL DOWNS

Racehorses are among the most finely tuned, exquisitely sensitive creatures on earth. So what happens when you give them all cell phones to wear during a race? They start dropping like... well, horses.

That is exactly what started happening this spring at Churchill Downs in Louisville, home of the world-famous Kentucky Derby. Churchill Downs hosts three “meets” every year during which there are horse races four to five days a week -- a spring meet lasting all of May and June; a September meet; and a fall meet throughout November. The spring meet this year at the Downs began on April 29 and was to continue until July 3. And beginning on April 29, and in every race on every day thereafter, every horse was fitted with a device they had never worn before. It is a wireless device, shaped like an iPhone, that fits into the cloth underneath the

saddle on the horse's back. Horses also began wearing these devices this spring during morning workouts.



This STRIDESafe device monitors the horse's movements 2,400 times per second throughout the race, sending 2,400 pulses of radio frequency (RF) radiation every second through the body of the horse. It also contains a GPS component that communicates with global positioning satellites. It also communicates with the RFID chip implanted in the left side of every horse's neck, ensuring that the chip also emits radiation throughout the race. And because every racehorse wears horseshoes made of aluminum, which is one of the best conductors, the frequencies that are conducted from both the STRIDESafe device and the RFID chip throughout the horse's body are absorbed and reradiated by its four shoes. Each horse, then, carries not one but six continuously radiating antennas throughout each race at Churchill Downs. So with 14 horses normally competing in each race, there are 84 antennas among animals in close proximity to one another running around the track.



And on April 29, 2023, horses racing at Churchill Downs began to die during races or suffer such severe injuries during races that they were euthanized. So many horses have died this spring that on June 2 it was announced that the spring meet at the Downs would be suspended as of June 10. Officials at Churchill Downs are panicked because horses racing there have died in much larger numbers this spring than ever before. In 2022, nationwide, about 1.25 deaths occurred for every 1,000 horses starting at the gate. But since April 29, 2023, 12 deaths have occurred among just 1,600 starts at Churchill Downs, a sudden and unprecedented 8-fold increase in racehorse mortality.

Officials have carefully inspected the track and every part of the racing grounds and have found no change in any part of it from previous meets, and no reason for horses to be more prone to injury or collapse. But they have the same blind spot as the rest of society: they treat wireless devices, and the radiation they emit, as if they do not exist.

The horse named Parents Pride simply collapsed and died for no apparent reason during a race on April 29. No drugs were found in her system, and no poisons. She was running normally before the race. No abnormalities were found in her

heart, brain or lungs.

Code of Kings “flipped” and broke his neck in the paddock just prior to a race and was euthanized, also on April 29. The paddock, also called the parade ring, is where horses are paraded before a race so the racegoers can get a good look at them.

Take Charge Briana suffered catastrophic damage to her right foreleg during a race on May 2 and was euthanized.

Chasing Artie completed his race on May 2 and then collapsed and died on his way to the unsaddling area, for no apparent reason.

Chloe’s Dream suffered a “catastrophic injury” to his right knee during a race on Derby Day, May 6, and was euthanized.

Freezing Point fractured his left forelimb during a race on Derby Day, May 6, and was euthanized. His jockey said that he was not bumped during the race and that the track was in good condition.

Bosque Redondo finished his race on May 13 but was taken away in a horse ambulance and was euthanized due to unspecified injuries.

Rio Moon was at the finish line of a race on May 14 when he suffered a “catastrophic injury” to his left foreleg and then was euthanized.

Swanson Lake finished his race on May 20 but was immediately taken to a veterinarian where he was euthanized because of a “significant injury” to his left hind leg.

Lost in Limbo, the horse pictured at the top of this newsletter, was removed from the track near the finish of a race on May 26. He had crashed nose-first on the track and lay heaving in the dirt. He was so jittery even before the race that he threw his jockey before it started and bolted. After the race a veterinarian found a “significant injury” to his left front leg and he was euthanized.

Kimberley Dream ruptured a ligament in her left front leg during a race on May 27 and was euthanized.

And two days before the spring meet began, while training on the racetrack on April 27, Wild on Ice broke his left hind leg and was euthanized.

We have known for decades that horses’ lives are shattered by radio waves. Hearings were held in Christchurch, New Zealand, and racehorse trainer Penny Hargreaves spoke out [in an interview](#) published in 1998. An FM radio tower in Ouruhia had had such devastating effects on her 90 horses that she was forced to relocate them to a different part of Canterbury. All her horses were affected, some more than others, and two died.

“They were very nervous and jumpy,” she said. “They all seemed to have sore feet. Horses who had travelled by trailer for years were losing balance while travelling. We have several hot spots around our yard where the horses become very volatile and hurt themselves and us.

“Our very valuable colt had serious health problems and walked as if his feet hurt. He could not bear to be shod. We had many vets look at him to try and solve his problems, but without any satisfactory answers. We finally turned him out in a paddock which has a large hay barn and trees between him and the tower. Within a month he had no problems at all. Back in his old yard, the problem returned.

“The blacksmith gave evidence at our hearing on the effect of the radio waves on

our horses' feet. The aluminum conducts electricity and their feet had changed shape, had huge cracks where the nails went and were very sensitive inside.

"We had weekly problems with infections we have never had before, our vet bills were horrendous."

Nervous and jumpy racehorses with sore feet and lack of coordination. Exactly what has been happening at Churchill Downs during the spring meet this year.

When I learned what was happening at Churchill Downs this spring I sent an email to Dr. Jennifer Durenberger, suggesting to her that the STRIDESafe devices, which have been deployed at Churchill Downs for the safety of the horses, are instead killing them. She has not responded. Dr. Durenberger, a veterinarian, is the Director of Equine Safety & Welfare at the Horseracing Integrity and Safety Authority (HISA). She has been leading a review of the records of the horses that died.

If you are a veterinarian or have experience with horses and would like to help, please send me an email to arthur@cellphonetaskforce.org. This is an opportunity, if we can get Churchill Downs, HISA, and the owners of the racehorses that run in the Kentucky Derby to acknowledge what is happening and get rid of these new wireless devices -- an opportunity to educate the rest of the world as well and catalyze a change of direction for us all.

Arthur Firstenberg, President
Cellular Phone Task Force
P.O. Box 6216
Santa Fe, NM 87502
USA
phone: +1 505-471-0129
arthur@cellphonetaskforce.org
June 8, 2023

The last 57 newsletters, including this one, are available for viewing and sharing on the [Newsletters page](#) of the Cellular Phone Task Force.

The Cellular Phone Task Force is a 501(c)(3) nonprofit organization, and donations from U.S. residents are tax-deductible. Our Tax ID Number is 11-3394550.

Blessings,

Pastor Bob, EvanTeachr@aol.com
www.pastorbobreid.com