

Note: In Massachusetts, laws may be set on the ballot for voters to approve if voter signatures in support are gathered in the required amount, official format, and time. This is our proposed law and we need your support. ~ *Paid for by Safer Tech at LastTreeLaws.com*

**Initiative Petition for a Law Relative to Safer Technology per Non-Ionizing Radiation
2026 SUMMARY BY ATTORNEY GENERAL'S OFFICE:**

SUMMARY OF NO. 26-01

This proposed law would create a new, independent state agency called the **Office of Research and Technology Optimization (ORTO)**, which would be established on November 15, 2029, subject to appropriation. The agency would track, study the impact of, and make policy recommendations about non-ionizing radiation, which is the invisible energy emitted by everyday equipment and infrastructure such as power lines, cell towers, wireless networks, and digital devices. ORTO's recommendations about non-ionizing radiation would be based on an "As Safe as Reasonable and Achievable" standard.

ORTO's leadership would include an executive director, legal chief, head scientist, and a financial manager. Its leaders would be appointed by different state officials and vetted by a panel of non-profit experts. Additional staff would include a scientific editor, legal and policy editor, and a chief engineer who could measure non-ionizing radiation.

ORTO would be tasked with providing data and transparency across several main areas, including:

1. Researching how non-ionizing radiation may affect the public, including but not limited to employment, public health, personal property, energy usage, and civil liberties.
2. Developing technology recommendations and best practices to help individuals and entities lower exposure to non-ionizing radiation and address the impacts of non-ionizing radiation.
3. Managing a free, open-access, independent journal that publishes policy analysis, legal analysis, and peer-reviewed research on non-ionizing radiation.
4. Collecting field data to build an open-access public digital map showing non-ionizing radiation levels across the state, side by side with anonymous health statistics.
5. Offering fee-based non-ionizing radiation testing to municipalities wishing to evaluate radiation emissions from local cell towers, power lines, and buildings.

The proposed law would not ban or require any specific technology. ORTO would provide facts, advice, and policy guidance for individuals and entities to make their own technology procurement decisions. The proposed law states that if any of its parts were declared invalid, the other parts would stay in effect.

Initiative Petition for a Law Relative to Safer Technology per Non-Ionizing Radiation 2026 SUMMARY BY BALLOT COMMITTEE ~ Updated August 27, 2026

(a) **Research & Recommendations.** This proposed Massachusetts law creates a new, independent state agency called the Office of Research and Technology Optimization (ORTO) that conducts research and makes recommendations based on the 'As Safe As Reasonable and Achievable' (ASARAA) standard, applying this standard to aspects relevant to public interests, such as but not limited to cybersecurity, privacy, public and environmental health.

(b) **Tech Application.** The new agency, ORTO, is to apply this ASARAA standard to non-ionizing radiation from technology. This non-ionizing radiation is emitted by technology such as for light, wireless communications, and by electrical lines, including but not limited to computers, cell towers, and power lines.

(c) **Independence.** The agency has several leaders, including an administrative head, legal chief, head scientist, and a financial manager. Core initial staff include a scientific editor; legal and policy editor; and a chief engineer. To help the agency remain independent, leaders are appointed by different state officials and are vetted by a special panel of non-profit experts without conflicts of interest. Leaders and staff must not only comply with state conflict of interest rules, but also submit more detailed conflict of interest reports and may not accept any money during employment from relevant industries, take jobs two years post-work from relevant industries, and appointed leadership may not have worked for or received money from relevant industries in the past five years.

(d) **Core Programs and Services.** Operating under a remote-first model, the agency is tasked with providing transparency and data across several main areas, such as:

- (1) **Study Public Impacts:** Research how non-ionizing radiation may affect the public, such as but not limited to employment, public health, personal property, energy usage, and civil liberties.
- (2) **Public Education and Policy:** Develop recommendations and best practices for technology use, including non-use, and sharing recommendations with the public and government.
- (3) **Open-Access Publishing:** Manage an open-access, independent journal that publishes policy analysis, legal analysis, and peer-reviewed research on non-ionizing radiation free for the public.
- (4) **Exposure Mapping:** Collect field data to build an open-access public digital map showing non-ionizing radiation levels across the state side by side with anonymous health statistics.
- (5) **Voluntary Field Assessments:** Offer fee-based non-ionizing radiation testing to municipalities wishing to evaluate emissions from local cell towers, power lines, and buildings.
- (6) **Local Legal Choice:** Provide free model ordinances to communities, while offering a separate, paid service to assist towns with site-specific drafting recommendations.
- (7) **Legal Testimony:** Provide relevant legal evidence & testimony, such as field measurements of cell towers or other equipment, and providing relevant legal education.
- (8) **Trust Fund:** Any collected funds enter a trust fund to support tools & equipment needs, additional expertise, honorariums, & grants, but may never be used for salary increases or bonuses.

(e) **Local Autonomy and Fiscal Protections.** ORTO is an advisory agency that provides facts, advice, and policy for government entities and the public to make their own technology procurement decisions. In addition to standard state appropriations, the agency's operations may be funded by federal research grants, commercial patent licensing fees, service fees, donations, and court costs recovered from providing evidence in successful technology lawsuits.

Q. & A. on Massachusetts 2026 Safer Tech Petition

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Q. How can it become law? More than 120,000 Massachusetts voter signatures are needed on official petitions, without extra markings, to let voters vote on the law. Public lobbying & support is needed, too, so the legislature supports the law as well. **Fall 2026 is our trial run.** September 2027 begins our *full* signature drive. Please register to vote now or check your voter registration online at: <https://www.sec.state.ma.us/OVR/>

Q. Does this petition ban cell phones, Wi-Fi, or smart devices? No. You may keep your personal and work technology. The law only provides *advice* on safer tech.

Q. What tech is examined to support safety? *Non-ionizing* radiation technology is analyzed. Depending on whether legally possible, ionizing radiation *may be* added.

Q. What is *non-ionizing* radiation (NIR) technology? This is any technology that emits non-ionizing radiation (NIR). NIR is an electric and magnetic field surrounding electricity, transmitted by antennas, or visible as light. NIR from technology includes wireless transmissions, power line fields, and computer screen light.

Q. What is *ionizing* radiation (IR) tech? We may *or* may not resubmit this petition to add ionizing technology safety, which includes medical imaging and nuclear reactors.

Q. How does the law support safer tech? The law creates an advisory research office.

Q. What does the Office of Research & Technology Optimization (ORTO) do? ORTO conducts/ funds public research, including of state radiation exposures alongside health statistics. ORTO prepares advisory public reports & establishes a state-sponsored scientific journal (bypassing academic censorship) on how technology impacts our lives, whether privacy, health, or other topics. ORTO also prepares model ordinances, provides educational materials, examines relevant law, and may file legal evidence & briefs.

Q. Does this address privacy, AI, & more? Yes, in relation to NIR functions (e.g., remote surveillance)—see <https://lasttreelaws.com/radiating-tech> for more examples.

Q. How will ORTO remain independent? Leadership of ORTO is vetted for qualifications and conflicts of interest by a select group of non-profit organizations that must be free of conflicts of interests too. Leadership and staff must comply with state conflict of interest rules, plus: are prohibited from investment or employment in relevant industries; may not have worked for a prohibited industry within 5 years; and must file annual disclosures of any other potential conflicts. Only if necessary expertise cannot be found can ORTO leaders reduce the 5-year industry prohibition, but guard rails remain.

Q. How will safer technology be implemented without a mandate, since ORTO is an advisory office? By describing how to make technology safer, ORTO will provides an opportunity for change through consumer purchasing, government purchasing, education, & vendor or manufacturer choices. Also, ORTO may provide legal briefs and scientific information to support safer technology in court cases or for state regulations.

Q. What court assistance is available? When a legal decision would help influence technology safety, ORTO specialists are authorized and have the choice to file legal briefs and provide scientific or technical information as evidence.

Q. Why can't ORTO set mandates, such as stop 5G non-ionizing radiation? The Massachusetts Supreme Court has stated that only the Federal Communications Commission (FCC) can regulate wireless transmissions as part of federal preemption. A MA petition initiative is prohibited from overturning rulings by our state Supreme Court.

Q. Can states set limits on safer technology? States can set limits on many factors, whether related to AI or cell tower placement. As far as the right of states to regulate wireless for the benefit of public and environmental health, law & legal opinions could change or vary by state or jurisdiction, or be overturned by state and federal legislatures.

Q. Can ORTO set safety limits for exposures from electricity or wireless? ORTO cannot mandate limits, but can recommend limits be adopted based on a standard that is 'ASARAA' or 'As Safe as Reasonable and Achievable.'

Q. What will this cost taxpayers? Because the "Office of Research and Technology Optimization" (ORTO) operates remotely with few staff, the cost should be less than 2 million. The ORTO trust fund can also be used to support research & equipment costs.

Q. Can ORTO charge fees? Yes, ORTO is allowed to set reasonable rates for some specialized services, such as radiofrequency (RF) testing. ORTO is allowed to petition the judicial system for cost recovery of certain scientific and technical services provided in a winning case. These funds enter a trust fund to support ORTO's mission, such as to fund research. The trust fund can never be used to increase salaries set by the state.

Q. What cost-based services are provided for municipalities? If ORTO has time available, municipalities can pay for direct assistance implementing model ordinances into their codes or for radiofrequency (RF) testing of cell towers & EMF equipment.

Q. Will ORTO save money? Cost savings can occur if recommendations for safer technology are adopted—such as by reducing hacking damage or environmental harm.

Q. How do we know costs will stay low for municipalities and the state? Municipalities and individuals have zero required costs. Choosing safer equipment and practices is optional for everyone. Public schools and towns can choose to adopt ORTO's recommendations incrementally as part of standard maintenance budgets. It costs zero extra dollars to use already budgeted funds to replace old equipment.

Q. Where can I find more information? Please see the website lasttreelaws.com for the full petition, progress, blogs and handouts, like our handout *Why (Wireless) Federal Protections Froze in 1996*, or see progress at: <https://lasttreelaws.com/progress/>

Q. Can I help? Yes, please join online at lasttreelaws.com, in person, and donate! We need your support. Visit our website to learn more or sign up, & please share widely.

Initiative Petition for a
Law Relative to Safer Technology per Non-Ionizing Radiation

Paid for by Safer Tech at LastTreeLaws.com

This law/ petition creates an office to research and give advice on non-ionizing radiation* tech risks, such as to civil liberties and environment. Examples or research areas are listed below.

**What is non-ionizing radiation?* Non-ionizing radiation is emitted unintentionally by tech, such as fields from power lines, or intentionally, such as for wireless communications including cellphones.

Non-Ionizing Radiation Sample Research Areas

Human Rights, Constitutional Rights, and Civil Liberties

- **Privacy & Surveillance:** 4th Amendment implications of continuous, real-time data collection.
- **Due Process & Takings:** 5th & 14th Amendment violations regarding community hearing rights and property devaluation.
- **Preemption Harm:** Whether federal commerce, corporate property rights, and corporate protections strip state and individual rights to safeguard local health and property.
- **Bodily Autonomy:** Defending against involuntary, non-consensual environmental exposure to harmful exposures; assessment of EEG, EKG, mood, & other relevant changes.
- **Electromagnetic Weaponry:** Examine whether directed-energy/ electromagnetic weapons (e.g. tasers) fail to serve defense by harming civil liberties, soldiers, & civilians short- or long-term.

Economic Modeling of Property Integrity, Resource Consumption, and Labor

- **Property Values:** Tracking real estate market fluctuations near wireless and utility installations.
- **Technical Interference:** Induced field impacts on household electronics, smart systems, and sensitive medical equipment.
- **Autonomous Machine Vulnerabilities:** Modeling risks from the remote override, signal jamming, or algorithmic failure of drones, automated transport, and robotic infrastructure.
- **Wireless Cyber Threats:** Modeling financial, operational, and national security risks from hacking exploits targeting wireless vote-reporting modems, connected medical devices, etc.
- **Labor Displacement:** Modeling the long-term employment impacts and localized job losses resulting from the transition to automated, wireless infrastructure and robotics.
- **Insurance & Liability:** Assessing market availability or the total absence of utility and telecommunications coverage for long-term claims.
- **Agricultural Viability:** Economic and biological modeling of field exposures on farm animals, livestock, and crop productivity.
- **Grid Vulnerability:** Calculating long-term structural maintenance costs and financial failure risks of sprawling networks.
- **Energy & Resource Costs:** Assessing substantial hidden costs and who pays them.

Mapping of Tech Capabilities, Effects, Access, and Control

- **Infrastructure Control:** Identifying entities with remote power density regulation, software updates, and hardware override access, and assessing who loses or benefits as result.
- **Governance Ethics:** Evaluating democratic and legal questions regarding who ultimately controls public electromagnetic space.

Examination of Demographic Disparities and Systemic Biases

- **Vulnerable Populations:** Protecting high-risk groups, such as children & pregnant women.
- **Discrimination:** Investigating legal and workplace discrimination against sensitive individuals.
- **Barriers:** Systemic exclusion of non-technical or lower-income populations from complex regulatory, opt-out dockets, and legal support.
- **Governance Communication:** Auditing how telecom and electrical utilities notify and engage communities prior to infrastructure placement.

Scientific Assessments of Public Health and Environmental Integrity

- **Epidemiology:** Long-term population tracking of cancer clusters, reproductive changes, and neurological symptoms near transmitters.
- **Toxicology & Lab Science:** *In vivo* and *in vitro* documentation of DNA strand breaks, oxidative stress, and blood-brain barrier leaks.
- **Ecological & Wildlife Impact:** Tracking disruptions to migratory birds, bee navigation, soil microbes, agriculture, tree canopies, and marine life.
- **Atmosphere & Climate:** Modeling potential long-term chemistry & physics of dense ambient fields on atmosphere or climate patterns; assessing heating from high power density.
- **Landscape Propagation:** Utilizing geographical GIS mapping to evaluate how terrain and building materials alter cumulative exposures.

Engineering and Software Design Evaluation

- **Exposure Optimization:** Engineering to minimize harm while maintaining connectivity.
- **Shielding & Antennas:** Structural designs and barriers engineered to deflect stray radiation away from residential spaces.
- **Measurements:** Evaluating accuracy of models used to calculate official exposures.

Legal and Institutional Audit of Regulatory, Statutory, and Governance Systems

- **Preemption Analysis:** Evaluating Telecommunications Act constraints that block local zoning boards from using health or other criteria in decisions.
- **Agency Integrity:** Investigating regulatory capture, financial conflicts of interest, and over-reliance on industry-funded studies.
- **Jurisdictional Gaps:** Mapping contradictory boundaries and oversight gaps between the FCC, EPA, OSHA, and FDA.

Trend Analysis of Dockets and Public Complaint Registries

- **Docket Mining:** Identifying health and other impacts through agency public comments and rule-making petitions.
- **Symptom & Hazard Registries:** Tracking consumer complaints on stray voltage, overheating electronics, and equipment faults.
- **Internal Agency Audits:** Reviewing agency communications via public records requests regarding controversial technologies or unpublicized health trends.

The Biological Effects of Non-Thermal, Non-Ionizing Radiation

What the Peer-Reviewed Science Reveals About Long-Term Exposure

The Hidden Military Archive & Halted Federal Research

The public remains largely unaware of non-ionizing radiation risks due to the immense financial power of industry and a historic legacy of military concealment. Declassified U.S. defense and intelligence documents list extensive findings of harm. The National Toxicology Program (NTP) eventually completed a landmark, \$30 million study in 2018—the first comprehensive federal public investigation in decades—which found **"clear evidence" of cancer and DNA damage** in laboratory models to reflect cellphone exposures. Despite these alarming results, the agency abruptly announced it would halt all further research.

Carcinogenicity (Long-Term Cancer Risks)

Decades of epidemiological research consistently link wireless radiation and specific electromagnetic fields to increased cancer risks, particularly tumors and leukemia. This assessment is explicitly backed by senior, newly retired federal scientists from the National Institute of Environmental Health Sciences (NIEHS) and NTP—including **Dr. Christopher Portier, Dr. Linda Birnbaum, and Dr. Ronald Melnick**—as clear and undeniable.

Reproductive Health & Prenatal Development

A substantial body of peer-reviewed studies demonstrate severe reproductive impacts, including direct sperm DNA fragmentation, structural deformities, and elevated miscarriage rates. Multi-generational studies indicate progressive declines in ovarian function. Furthermore, prenatal exposure is linked to long-term developmental issues in children, including attention deficits, reduced socialization, increased asthma rates, and metabolic weight gain. Articles on this science & history can be searched at **Microwave News** (.com).

Neurological Disruptions & Chronic Illness

Since the widespread deployment of cellular infrastructure, continuous exposure has been repeatedly tied to neurological and systemic symptoms. Documented effects include chronic headaches, cognitive and short-term memory impairment, sleep fragmentation, cardiac arrhythmias, and severe hormonal and metabolic disruptions. In his landmark book *Dirty Electricity*, epidemiologist **Dr. Samuel Milham** tracks how the historical introduction of electrification directly correlated with the rise of modern diseases, identifying specific high-frequency voltage transients as the primary driver of these illnesses.

Environmental Degradation & Wildlife Collapse

The rapid expansion of the tech infrastructure inflicts massive environmental damage through staggering energy grid demands and destructive mineral and water consumption. Biologically, non-ionizing radiation acts as an environmental stressor. Joint studies published by researchers **B. Blake Levitt, Dr. Henry Lai, and Dr. Albert Manville** document severe impacts on plants, soil microbiology, and wildlife, detailing chronic cellular stress, disorientation, reduced fertility, and unprecedented behavioral disruptions in birds, bees, and mammals. ~ Paid for by the Safer Tech at LastTreeLaws.com ballot committee

The Radiation Regulatory Gap ~ *Why Federal Protections Froze in 1996*

The 1996 Political Miscalculation

Regulatory non-ionizing radiation gaps in oversight trace back to the *Telecommunications Act of 1996*, authored by then Rep. Ed Markey. To accelerate infrastructure deployment, **Section 704** of the Act stripped local zoning boards of the right to block cell towers based on health concerns while transferring safety guidelines from the EPA to the FCC. A separate bill that year defunded the EPA's radiation research branch, halting public safety research.

The Death of Competition and Mainstream Journalism

The Telecommunication Act of 1996 lifting of ownership caps also allowed a handful of conglomerates to buy up local media to intertwine with telecom companies & corporations. Without independent media as a public watchdog, propaganda becomes press.

The Push for Costly Tech and Surveillance

Today, federal legislators push private wireless over more secure fiber and the more reliable, better regulated, publicly-owned copper landlines. Forcing daily tech dependence while funding unregulated expansion with our taxpayer dollars enables dual misuse for surveillance, propaganda, data manipulation, fabricated biometrics, and remote hacking (of grids, appliances, devices, etc.). This high-power electric data infrastructure provides the exact energy footprint required to host and deploy electromagnetic or directed energy weapon systems and remote AI operations, concentrating decisive power in technical hands.

A Systemic Crisis from Shrinking Resources

In a high-stakes race to control shrinking global resources, liberty, public and environmental health are treated as a secondary concern. This short-sighted prioritization of technological control over natural stability creates profound systemic risks, ignoring the inevitable reality of technological failures and the foundational value of the Earth and its people.

The Hubris of the Technocratic Ideology

This detachment from biological reality reflects dangerous ideological hubris. A faction of wealthy technologists actively pushes a future of tech-created food, designer babies, brain chip implants, lunar colonization, and more—falsely assuming engineering can replace nature, while dismissing safeguards as obsolete barriers rather than essential.

The Federal Court Ruling

By maintaining an engineering-focused FCC that legally froze safety standards in 1996, the federal government ensures powerful interests face zero public health barriers. This systemic failure was exposed in August 2021 when the U.S. Court of Appeals ruled in **Environmental Health Trust et al v. FCC** that the FCC had acted "arbitrarily and capriciously" by completely ignoring decades of science finding harm from non-thermal, non-ionizing radiation exposure.

Paid for by Safer Tech at [LastTreeLaws.com](https://lasttree.com) Ballot Committee ~ All RF science sourced from Levitt et al., declassified federal archives, & the 2021 U.S. Court of Appeals ruling.