

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.