5G Controversy

ACCM Deep Ethics Project

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1 5G Controversy

BETA living inquiry · opened 30 October 2026

Health, deployment, dual use, public agency and the quality of disagreement and agreement.

The **5G** (fifth-generation mobile communications) controversy concerns health, cumulative exposure, environmental effects, infrastructure decisions, military applications, surveillance, commercial incentives and public agency. It also concerns how those questions are represented. John Kuhles uses **Anti-Unsafe-5G** to preserve a conditional objection: deployment and safety claims should withstand scrutiny, and safer technical choices should remain open.

> "When claims are still in the hypothesis or investigative stage, I clearly distinguish those as my own insights, patterns, or questions for scrutiny—never as settled fact."
>
> — **John Kuhles [parrot] [butterfly] [tree]**, statement supplied 30 October 2026

This inquiry draws on the 22 supplied files, representing 20 distinct files after two exact duplicate pairs are accounted for, the supplied Google **A.I.** (artificial intelligence) exchange, and the accompanying autobiographical account. Scientific findings, institutional positions, legal decisions, author arguments, investigative connections and forecasts remain identifiable. The larger 10+ GB **HTML** (HyperText Markup Language) archive John describes is a separate collection.

1.1 Anti-Unsafe-5G and the origin of the inquiry

Here **RF** (radiofrequency) identifies the radio-frequency range; **EMF** (electromagnetic field) names the broader field category.

John traces his interest to the mid-1990s: it began through conversations with his friend Rinus Nienhuis, a licensed amateur radio operator who had taken an RF course in the Netherlands. Rinus lived in Amsterdam and later Beverwijk. John followed StopUMTS.nl before creating his Stop5G Facebook group and Stop5G.net during 2017–2019, and interviewed two building biologists and EMF consultants in the early 2000s, before 4G and 5G.

John describes the Stop5G Facebook group and Stop5G.net as the largest of their kind worldwide. His personal account also links the loss of Iris in December 2019 to a deeper investigation of root causes, injustice and system processes, from which work such as 10+1 developed. His global ranking description remains part of that personal account.

The supplied discussions repeatedly use an unsafe-car analogy: criticizing particular cars or deployment conditions does not, by itself, establish opposition to cars or technology as a whole. Removing **unsafe** changes the represented object of criticism. The same distinction appears in John's texts about institutions and people. It preserves the actual objection while leaving its factual basis open to examination. S13 S17 S18 S20

John's stated position and each other participant's own position remain the starting objects for comparison. The Search Engine Bias case follows the disputed transformation of John's question about the Hague bird deaths through publication and later A.I. accounts.

1.2 Process quality beyond agreement and disagreement

The **ACCM Deep Ethics Project** develops **ACCM** (Allow Constructive Controversy Mode). It makes the quality of the inquiry itself inspectable. Its 1888 intelligence-properties taxonomy

treats intelligence through capacities such as perceiving, distinguishing, relating, remembering, imagining, judging, evaluating, learning, correcting, adapting, coordinating, examining one's own processing, noticing consequences and remaining corrigible. The fourteen-part taxonomy is the project's instrument within an 1888 thought experiment, rather than an archival document from 1888.

The 10+1 ingredients keep self-honesty, openness, learning, inquiry, correction on merit, independence, care, wonderment, non-projection, refusal of self-deception and forgiveness mutually corrective. They apply to the researcher, the critic, the institution and the AI summarizing them.

PQCE (Process Quality Calibration Evaluation) asks what the processing preserves, discovers, improves or makes possible. Meta Processing keeps the route from intent through processing to consequences available for examination. Beyond Agreemurmelism makes agreement and disagreement themselves subject to evaluation.

Applied to this controversy, that means recovering the actual claim before evaluating it, retaining conditions such as **unsafe**, asking an answer-changing clarification when the object is ambiguous, tracing claims to their supporting sources, and checking whether corrections govern the next comparable answer. A warranted finding can support, challenge or leave a claim unresolved. Equal scrutiny does not require equal evidentiary weight.

The supplied AI transcripts record disputes about categorical dismissal and also contain sweeping agreement, including assertions by AIs about rigged training data or their own hidden internal mechanisms. Those passages provide evidence of what the models generated. They do not independently disclose the systems' training history or establish the cause of a refusal. The visible response can be examined without inventing its hidden cause. S16 S18 S19

A source-based summary also remains open to this test: did it preserve the person's position and the source's actual result, or did its choice of category, excerpt or qualification redirect the inquiry?

1.3 Health questions and cumulative exposure

1.3.1 Exposure conditions

"5G" names a communications generation, rather than one exposure condition. Frequency, modulation, pulse structure, transmitted power, antenna pattern, distance, traffic, duration and the receiving tissue all matter. The **IET** (Institution of Engineering and Technology) book treats exposure assessment and reduction as engineering problems, including uplink and downlink exposure, monitoring, antenna design and network management. Its final chapter discusses both possible increases from densification and possible reductions through massive **MIMO** (multiple-input multiple-output) antenna systems and lower transmit power. S07

John's central question concerns repeated and combined exposure from phones, base stations, Wi-Fi, Bluetooth, smart meters and other connected devices. His alcohol-drop analogy illustrates a concern about accumulation and limited choice. The supplied discussion itself distinguishes that illustration from precise science. A quantitative RF claim needs an exposure history and a biological response model; an alcohol analogy does not supply a conversion from RF exposure to disease risk. S13 S14

For investigation, aggregate exposure from several sources, changes in exposure over time, and accumulation of biological injury are distinct questions. An instantaneous measurement answers a different question from a longitudinal study. A useful record specifies frequency and waveform, peak and time-averaged levels, measurement uncertainty, duration, outcomes and relevant co-exposures.

1.3.2 Non-ionizing radiation and biological interaction

RF (radiofrequency) photons do not have enough energy to directly ionize atoms in the way X-rays do. That physical distinction does not establish that RF cannot interact with tissue

or produce harm under any conditions. Heating is an established interaction, and biological effects and proposed mechanisms require evaluation at their actual exposure conditions. The **NTP** (National Toxicology Program) rodent programme reported heart tumour findings in male rats and **DNA** (deoxyribonucleic acid) damage under its study conditions. Those experiments used second- and third-generation (2G/3G) signals and whole-body animal exposures, rather than a direct test of contemporary 5G deployment.

Pall argues for **VGCC** (voltage-gated calcium channel) activation and downstream oxidative, neurological, reproductive and other effects. The epigenetics paper discusses DNA and gene regulation; Trower emphasizes reproductive and intergenerational risks. These contributions have different forms: a compiled scientific argument, a student research paper and a public-facing report. Their cited experiments should retain their original species, signal, dose and endpoints when used in a 5G argument. S03 S04 S05 S06

The foil-in-a-microwave example in the discussion concerns electrical arcing under particular field and material conditions. It cannot by itself establish equivalent effects around particles in tissue under telecommunications exposure. That proposed interaction is a specific hypothesis requiring a matching physical model and experiment. S13

1.3.3 Microwave sickness and IEI-EMF

The literature uses terms including **microwave sickness**, **microwave syndrome**, **EHS** (electromagnetic hypersensitivity) and **IEI-EMF** (idiopathic environmental intolerance attributed to electromagnetic fields). Reported symptoms include headache, fatigue, sleep disturbance, dizziness, concentration difficulty, memory complaints and irritability. A symptom report, a measured association, a proposed mechanism and a causal diagnosis are different research objects.

Hutter and colleagues' 2006 study examined 365 residents near mobile base stations. It found associations between measured exposure and some symptoms, strongest for headaches, while finding no significant effect on sleep quality. Preserving both results makes the study more informative than a general statement that every symptom was associated with exposure.

The Genuis and Lipp review addresses clinical reports, conflicting research and the substantial personal and social burdens associated with EHS. These questions warrant precise investigation and dignified treatment of the people reporting symptoms.

1.3.4 Funding and source independence

John's earlier request specifically sought publications without industry sponsorship. Funding disclosures must remain visible alongside study design, methods and results. A declaration of no competing interests and an explicit statement of no funding answer different questions.

Publication	Disclosed support	Role in this inquiry
Genuis and Lipp 2012	Explicitly states no funding and no conflicts of interest	Peer-reviewed clinical and literature review; publication
Hutter and colleagues 2006	Scientific Medical Funds of the Mayor of Vienna and the Government of Carinthia	Publicly supported observational study; full text
Naren and colleagues 2020	Qatar National Research Fund, a member of Qatar Foundation	Peer-reviewed pre-5G device measurements and review; S01
Deruelle 2024	Financial support and sponsorship declared nil; no conflicts declared	Peer-reviewed review and interpretive argument; S08

Publication	Disclosed support	Role in this inquiry
Simkó and Mattsson 2019	Deutsche Telekom Technik GmbH	Industry-funded review retained in the archive and excluded from the non-industry-funded subset; S02

The Simkó and Mattsson review examined 94 publications at 6–100 GHz. It reports biological responses in many experiments while finding that inconsistent results and study quality prevented a reliable health assessment from that collection. Its funding statement appears on PDF page 17. Neither the reported responses nor the authors' uncertainty should disappear from a summary. S02

The **IARC** (International Agency for Research on Cancer) 2011 evaluation classified RF electromagnetic fields as possibly carcinogenic to humans, Group 2B. That is a hazard classification based on the evidence then assessed. It does not provide an estimated risk for every contemporary 5G exposure.

1.4 Government records and the historical symptom literature

The historical record extends well before 5G. It includes military reviews of occupational findings, translations of Soviet research, bibliographies, diplomatic records and investigations of the Moscow Signal. **Declassified**, **unclassified public report**, **bibliography** and **government translation** describe different kinds of records.

Record	What it contributes
NASA (National Aeronautics and Space Administration), technical translation TT F-708, February 1972	Public translation of the 1970 Soviet volume edited by I. R. Petrov, Influence of Microwave Radiation on the Organism of Man and Animals. Human and animal research, including symptom comparisons. Report
Navy Glaser bibliography, 1971 and subsequent editions	Catalogues reported biological effects and clinical manifestations. The 1976 compilation contains over 3,700 references. A bibliography identifies a research record; its entries retain their individual methods and conclusions. 1976 compilation
DIA (Defense Intelligence Agency), DST-1810S-074-76, March 1976	Formerly classified U.S. intelligence review of research in Eurasian communist countries. Printed page 8 lists symptoms including fatigue, headache, dizziness, sleep and concentration disturbances. Report scan
CIA (Central Intelligence Agency), Moscow Signal assessment, February 1976	Describes increased concern after changes in signal characteristics and exposure duration. Released record
State Department telegram 166451, July 1976	Contemporary medical position that a causal relationship with embassy health problems had not been established. Released record
NIOSH (National Institute for Occupational Safety and Health), bibliography supplement, November 1977	Additional literature, including Soviet and Eastern European research. Government record

The DIA review's multinational scope includes the Soviet Union, Poland, Czechoslovakia, Bulgaria, Romania and Hungary. It is a U.S. review of work from those countries; that provenance differs from independently released archives issued by each country. Its discussion of

potential industrial and military consequences of stricter standards is relevant to scrutiny of institutional incentives.

The Moscow Signal collection documents secrecy, exposure investigations and Projects PANDORA and BIZARRE. It supplies a historical basis for studying what officials investigated, disclosed and concluded. The existence of those investigations and a finding of neurological injury are separate historical claims.

1.5 Safety standards and public accountability

1.5.1 What a safety claim needs to specify

John asks what authorities mean by guidelines, standards, protocols, acceptable exposure and long-term safety. A useful comparison identifies the endpoint protected, the population, the averaging period, the test method, the relevant law and the process for revising it. The supplied international chart mixes national limits with precautionary proposals, building-biology recommendations and background exposure levels. Those entries cannot be read as one current legal comparison. S12 S13

The **ICNIRP** (International Commission on Non-Ionizing Radiation Protection) 2020 RF guidelines cover 100 kHz–300 GHz and include dosimetry and biological-health evidence appendices. Their restrictions are built around effects ICNIRP regards as substantiated. Criticism therefore concerns which evidence meets that threshold and whether the resulting limits protect people under relevant conditions. Describing ICNIRP as having never considered non-thermal research would erase part of the actual disagreement.

A document's title as a guideline or standard does not, on its own, establish the quality of its supporting science. Similarly, a website liability disclaimer does not establish whether a publication is admissible in court or whether its scientific conclusions are correct. The operative wording, version and relevant legal or scientific proposition need to be examined separately.

1.5.2 Court decisions and 2026 proceedings

The **FCC** (Federal Communications Commission) is the U.S. communications regulator. In Environmental Health Trust v. FCC, decided 13 August 2021, the U.S. Court of Appeals for the District of Columbia Circuit granted the petitions in part and required a reasoned explanation on non-cancer effects, testing procedures, children, long-term exposure and environmental effects. The court identified legally insufficient reasoning; it did not decide the scientific controversy or order a 5G ban.

The FCC's September 2026 notice, released 17 September and published 22 September, sought comments on the remanded issues. It stated that the existing rules remained effective. Its listed comment deadline was **22 October 2026**, before this page's record date.

The **HHS** (U.S. Department of Health and Human Services) request for information, published 21 September 2026, asks about exposures, health outcomes, cumulative neighbourhood exposure, children, environmental effects and research priorities. Its listed deadline was **21 October 2026**. These are formal opportunities for institutional review; their publication records the questions being examined rather than determining their answers.

The Dutch court's 25 May 2020 account, ECLI:NL:RBDHA:2020:4461, states that Stop5GNL's requested prohibition was rejected and spectrum auctions could proceed. The State's commitments to monitoring and intervention if limits or scientific assessments changed also belong in the record.

1.5.3 Schools fire stations and local decisions

The **IAFF** (International Association of Fire Fighters) position adopted in August 2004 opposes using fire stations for cellular antennas pending research meeting its stated safety conditions. This is an occupational precautionary position predating 5G. Its pilot findings, union policy and any later legal exemption have distinct sources.

California Senate Bill 649 passed the legislature but was **vetoed on 15 October 2017**. A fire-facility provision in that bill must not be described as a protection created by an enacted SB 649. The veto is recorded in the California Senate's legislative digest.

School and municipal decisions can produce concrete restrictions. A June 2025 Loudoun County government update, under initiative 5.3, identifies a **LCPS** (Loudoun County Public Schools) cell-tower siting prohibition in effect until 2029. The supplied worldwide compilation includes a broader range of local objections, motions and planning decisions, including 4G cases. The legal force, duration and technology in each example matter; these categories should not all become "countries banning 5G." S11

1.6 Military applications and dual use

John's stated assessment is that MIMO, phased arrays and beamforming are readily weaponizable because, in his account, the underlying technology originated in military development. The public military record provides concrete material for examining that assessment.

System or programme	Documented capability
DARPA (Defense Advanced Research Projects Agency), Arrays at Commercial Timescales — Integration and Validation, ACT-IV	A multifunction electronically scanned array supporting radar, electronic warfare and communications, transitioned to the Air Force Research Laboratory in 2021. DARPA
ONR (Office of Naval Research) high-power microwave research	Electromagnetic systems intended to disrupt or damage electronics, with antenna arrays, beam steering and distributed beamforming among its research areas. ONR
Active Denial System and other directed energy systems	Millimetre-wave heating for area denial and other electromagnetic weapon effects. GAO discusses technical limitations and unresolved long-term health questions. **GAO** (Government Accountability Office), 2023

Shared techniques make dual-use scrutiny substantive. Whether a particular commercial installation can produce a specified weapon effect depends on its hardware, accessible controls, frequency, delivered field, waveform, range and target interaction. Military array development establishes a technological connection; **"easily weaponized" remains John's assessment of the practical bridge**. MIMO, array construction and beam steering should retain their distinct technical meanings. S13 S14

The European Policy Centre brief addresses military directed energy programmes and defence policy. Deruelle's 2024 review goes further, arguing for connections among telecommunications, neurological warfare, graphene and future human-machine integration. Its military-purpose and integration claims belong to the author's argument; the paper is not a measurement demonstrating those functions in an identified commercial network. S09 S08

1.7 Surveillance environment and technological convergence

The supplied **UN** (United Nations) concept note is an explicit institutional connection between 5G, IoT, big data and nanotechnology within development policy. It also raises cybersecurity, inequality, ethical questions and the distribution of benefits and burdens. Those governance concerns are part of its own text. S10

John's wider research scope connects this infrastructure to bodily autonomy, political power and possible coercive uses. The following preserves the subjects and the relationships he wants investigated.

1.7.1 Computing and communication capabilities

John names photonic computing in China, artificial intelligence, quantum computing and communications, and room-temperature superconductors. The investigation asks which demonstrated capabilities, operating conditions and deployments could change communications, sensing or computational power.

1.7.2 Biological interfaces and exposure pathways

Synthetic biology, DNA and **RNA** (ribonucleic acid), optogenetics, neuromodulation, biosensors, biophotonics, biomimetics and nanotoxicology enter John's research map. The answer-changing connections concern a specified biological intervention, material, delivery route, device or interface and the observed outcome.

1.7.3 Connected devices and bodies

IoT (Internet of Things) and **IoB** (Internet of Bodies) concern different applications and data relationships. **WBAN** (wireless body area network) and **MBAN** (medical body area network) name body-related networking categories. The **IEEE 802.15** wireless standards family and **EMBS** (Engineering in Medicine and Biology Society) have distinct organisational and technical roles. "OMNET" is retained as John's supplied label; the intended expansion and specific system remain to be identified.

For each application, identify what is sensed, transmitted, inferred or controlled, which actor can access it, and which record establishes the connection.

1.7.4 Spectrum and light

Millimetre-wave and terahertz systems, blue **LED** (light-emitting diode) light and **VLC** (visible-light communication) name different sources and spectrum ranges. The relevant comparison specifies source, exposure and tissue interaction rather than treating shared electromagnetic terminology as a common dose.

1.7.5 Military programmes and governance

Project Maven and Project Salus are named research leads. The programme capability, data flow, deployment and claimed biological interface each have their own documentary path.

John also connects **WEF** (World Economic Forum), transhumanism and H+ (Humanity+), biodigital convergence, smart cities, 15-minute cities, **SDGs** (Sustainable Development Goals), **CBDCs** (central bank digital currencies) and social credit. The governance investigation follows implemented interfaces among identity, money, movement and service access, together with consent, oversight, appeal and exit rights.

For two named programmes, contemporaneous **DoD** (U.S. Department of Defense) descriptions provide concrete starting points: Maven's initial task was computer-vision analysis of imagery; Salus in 2020 supported predictive analytics and resource planning for the COVID-19 response. A proposed further link to a biological interface requires its own documented pathway.

John's investigative position: combinations of communications, sensing, biotechnology and governance may enable coercive systems, including what he describes as an open-prison form of smart-city control. That connection is preserved as his hypothesis and ethical concern. Specific implementation records can establish, narrow or challenge individual links without deciding the entire network of questions at once.

1.7.6 Network security aviation and commercial deployment

The European Commission's June 2023 5G toolbox communication identifies supplier dependency and potential third-country influence as security concerns, and considers restrictions

on Huawei and ZTE justified under its assessment. This records the Commission's security judgment and its stated grounds. The **NIST** (National Institute of Standards and Technology) March 2026 design paper addresses practical safeguards, including separation of data, control, and operations traffic.

Network security, privacy and RF health effects also need their own analyses. Surveillance can occur through data collection and inference; an RF health claim concerns exposure and biological response. A concrete technical controversy is aircraft radio-altimeter interference: the **FAA** (Federal Aviation Administration) July 2026 statement describes performance requirements and coordinated safeguards for coexistence with expanded wireless use.

The environmental scope includes energy demand, electronic waste, infrastructure, ecosystems and satellite deployment. The citizen submission raises several of these issues. Each requires an appropriate unit of analysis: operational energy, lifecycle materials, habitat effects, or a specified biological exposure. More efficient transmission per bit and higher total network consumption can coexist when traffic and infrastructure increase. S11

Deployment economics also deserve examination: spectrum payments, infrastructure costs, anticipated returns, public subsidies and the distribution of benefits can shape rollout choices. The relevant comparison includes wired alternatives, rural access, maintenance, resilience and social costs.

1.8 Safer connectivity and public agency

The archive contains proposed alternatives as well as objections. The international submission advocates fibre, the **IEEE** (Institute of Electrical and Electronics Engineers) paper discusses wired connections, and the IET book develops methods to reduce exposure through antenna and network design. These contributions make deployment choices inspectable. S11 S01 S07

Fibre and Ethernet can replace radio links for fixed connections. Whether a household or workplace still produces RF depends on its endpoints and other equipment. Capacity, security, resilience, cost, accessibility and mobility remain practical design questions. "Near-infinite bandwidth" and a guarantee of security would overstate what fibre itself establishes.

The ethical question extends to people who cannot readily alter surrounding infrastructure. Relevant decisions include how communities receive notice, who can inspect exposure and planning records, how objections are heard, which alternatives are considered, and what remedy exists if new evidence changes a safety assessment.

1.9 The supplied Google AI account

The supplied exchange moves from a broad account combining health anxiety with debunked misinformation to much stronger endorsement of grassroots objections and an Anti-Unsafe-5G description. It is useful as an example of how a frame changes. A move toward agreement needs the same factual and correspondence checks as an initial reassuring answer.

Google AI wording or move	Correspondence and factual correction
Begins with "legitimate" concerns alongside "public health anxiety" and "thoroughly debunked misinformation"	Identify which specific claims those descriptions concern. Their adjacency must not assign them to every health question or to John's conditional position.
Non-ionizing radiation lacks energy to damage "DNA or cellular structures"	Direct ionization and every possible biological effect are different propositions. RF heating and the NTP findings require exposure-specific wording.

Google AI wording or move	Correspondence and factual correction
WHO (World Health Organization) says there is no scientific evidence	The WHO page dated 27 February 2020 states its causal assessment and makes its public-health expectation conditional on guideline compliance. That is more specific than an absence of relevant research.
The FCC acted unlawfully by "refusing to review" its limits	The FCC conducted an inquiry and terminated it in 2019. The 2021 judgment found its reasoning insufficient on specified issues and required a reasoned explanation.
California "passed SB 649" and firefighters secured an enacted exemption	Legislative passage was followed by a veto; the bill did not become law.
Dutch litigation is offered under national postponements	The cited 2020 proceeding rejected the requested prohibition and allowed auctions to proceed.
The Frey effect bypasses acoustic pathways	Microwave absorption can launch a thermoelastic acoustic pressure wave detected by the cochlea. Mechanistic research review.
"Thousands" of clinicians and researchers are discussed alongside the EMF Scientist Appeal and a 5G moratorium	The 5G Appeal identifies its September 2017 submission and distinguishes the earlier EMF Scientist Appeal. Counts, qualifications and demands belong to their specific appeal and date; the cited 5G page lists 438 signatories as of July 2024.
"Anti-5G" changes to "Anti-Unsafe-5G"	This applies John's correction in the later supplied passage. Continued use of the corrected meaning in later comparable accounts remains a separate test.

The pandemic connection also needs its actual wording preserved. Pall's February 2020 statement asks whether 5G might exacerbate viral replication, spread or disease severity; it expressly distinguishes that question from responsibility for creating the virus. That is a proposed cofactor argument, not an observation that a radio signal transmits a virus. Its proposed causal relationship still requires direct testing. S04

Arson reports or threats against engineers, where documented, concern particular conduct and actors. They do not establish the position or conduct of every person scrutinizing RF exposure. Likewise, documented scientific, legal or institutional failures should not be assigned indiscriminately to every researcher, regulator or journalist.

1.10 Forecasts and later comparison

John's current forecast is that cumulative consequences of wireless exposure may eventually be understood as a substantial health and life-expectancy tradeoff, after widespread adoption has made meaningful avoidance difficult. His stated purpose is to preserve that warning now so later outcomes can be compared with the original.

The archive includes earlier forecasts by other authors. Pall's 127-page report forecasts a near-collapse in reproduction over about five years; Trower's 2013 report projects substantial reproductive risk from school exposure. These are identifiable author forecasts and extrapolations. Their original wording, dates or baseline, assumed exposure and predicted outcomes belong beside any later assessment. S03 S05

For a later comparison, retain the original claim, its intended time horizon, the population and exposure, the predicted outcome, the evidence used at the time and the observations that would warrant revision. An outcome may support part of a mechanism while changing a forecast's magnitude, timing or attribution.

John's original research statement and origin account are preserved in the source record below, dated 30 October 2026.

1.11 Supplied source index

The index identifies all supplied files. Public publication records are linked where available; archive filenames preserve recovery routes for the remaining items. PDF locators below refer to the uploaded file's page count, which may differ from printed pagination. Reports, journal articles, books, policy documents, citizen submissions, source directories and AI exchanges retain their distinct roles.

1.11.1 S01

IEEE device measurements and health review

Archive filename: 2020-Science2Stop5G-ieee-Electromagnetic-Radiation-Due-to-Cellular-4G-5G-WiFi-Bluetooth-Technologies.pdf. Public publication record. The second uploaded copy is byte-identical. Peer reviewed, 2020, 21 pages. Naren, Elhence, Chamola and Guizani. Pre-5G device measurements and proposed exposure benchmarks; the first page names Qatar National Research Fund support.

1.11.2 S02

Review of studies at 6 to 100 GHz

Archive filename: 5G Wireless Communication and Health Effects.pdf. Public publication record. Simkó and Mattsson, 2019, 23 pages. Peer reviewed; 94 experimental publications. Funding statement on PDF page 17 explicitly names Deutsche Telekom Technik GmbH.

1.11.3 S03

Pall report on 5G risks

Archive filename: 5G-Risks-The-Scientific-Perspective-Science2Stop5G.pdf. The second uploaded copy is byte-identical. Martin L. Pall, 127 pages. Mechanisms, eight classes of proposed harm, cumulative effects, children, institutional criticism and forecasts. Summary pages 4–7; cumulative effects chapter 3; 5G chapter 7.

1.11.4 S04

Pall statement on predicted effects

Archive filename: Professor-Dr.M.Pall.Predicted-5G-Effects-Coronavirus.pdf. Dated 25 February 2020, 8 pages. VGCC argument, incident reports and forecasts, including a proposed COVID-19 severity or replication cofactor. A research statement rather than a new controlled 5G exposure experiment.

1.11.5 S05

Trower report on Wi-Fi and reproduction

Archive filename: BarrieTrower-WiFi-Report-Stop5G-related-info.pdf. Barrie Trower, September 2013, 19 PDF pages. Public-facing report on schools, reproduction and inheritance; its percentage projections are the author's extrapolations.

1.11.6 S06

Epigenetics and chronic disease paper

Archive filename: 5G Epigenetics and Chronic Disease(1).txt. Charis Calender-Suemnick, August 2022. Identified as a fourth-year research paper. Discusses DNA, epigenetics, disease

history and graphene; cited papers and the paper's broader interpretations have separate evidentiary roles.

1.11.7 S07

Low emission wireless engineering book

Archive filename: Science2Stop5G-Low-Electromagnetic-Emissions-Wireless-Network-Technologies-5G-and-beyond-2020.pdf. Public publication record. IET edited volume, Muhammad Ali Imran, Fabien Héliot and Yusuf Abdulrahman Sambo, 305 PDF pages. Title and imprint pages 6–7; preface pages 16–18; synthesis pages 294–295. Engineering and exposure mitigation.

1.11.8 S08

Review connecting RF and neurological warfare

Archive filename: 5G-6G Warfare SNI-15-439.pdf. Public publication record. Fabien Deruelle, Surgical Neurology International 15:439, 29 November 2024, 15 pages, DOI 10.25259/SNI_731_2024. Review article; financial support and sponsorship declared nil.

1.11.9 S09

Directed energy defence policy brief

Archive filename: directed-energy-weapons-ckc-4-june-2025.pdf. Chris Kremidas-Courtney, European Policy Centre, June 2025, 5 pages. Policy analysis of military laser and microwave programmes; distinguishes development, trials and deployment.

1.11.10 S10

United Nations technology concept note

Archive filename: UN-5G-Agenda2030-2017-10-Joint-Meeting-Concept-Note.pdf. Concept note for 11 October 2017, 4 pages. Explicitly connects 5G, IoT, big data and nanotechnology to development policy; discusses benefits, risks, inequality and governance.

1.11.11 S11

International opposition compilation

Archive filename: Global-Stop5G-Resistance-Worldwide-Councils-and-Cties-Opposing-5G.pdf. Australian parliamentary inquiry submission 237, 8 pages. Citizen testimony and linked examples of objections, motions, restrictions and alternatives; includes older 4G proposals.

1.11.12 S12

International exposure comparison chart

Archive filename: EMF-RF-ExposureGuidelines-International.pdf. Saved Dropbox HTML containing the text of a Safe Living Technologies comparison chart, rather than PDF bytes. Mixes regulatory limits, proposals, recommendations and background levels; references span different dates.

1.11.13 S13

John Kuhles 5G discussion

Archive filename: 5G(1).txt. John's statements and AI replies on cumulative exposure, institutions, beamforming, alternatives and consent. Preserves the unsafe-car analogy and the distinction between illustration and scientific quantification.

1.11.14 S14

Extended 5G discussion

Archive filename: 5G part 2(1).txt. Overlaps the preceding discussion and adds AI responses. Source for stated positions and response patterns; repetitions are not independent corroboration.

1.11.15 S15

RFK and international advocacy links

Archive filename: 5G Robert F. Kennedy Jr.(1).txt. Advocacy text, international research and campaign links, plus an attributed Dutch article about funding and regulation. A source directory rather than one scientific study.

1.11.16 S16

Anti-Unsafe-5G and fringe framing

Archive filename: Anti-Unsafe-5G as 'fringe'(1).txt. Exchange about labeling, omissions, institutional authority and AI responses. Claims made by an AI about its own hidden training or internal conflict remain claims within that exchange.

1.11.17 S17

Anti labels and conditional criticism

Archive filename: Anti(4).txt. John's discussion of unsafe cars, technology and the loss of conditions when criticism becomes an identity label.

1.11.18 S18

Extended discussion of anti framing

Archive filename: ANTI2(1).txt. Discussion of institutional criticism, constructive controversy, intent and AI accountability. Relevant to process and representation.

1.11.19 S19

Clarification and phantom claim discussion

Archive filename: Anti3(1).txt. Discussion of C1 clarification, imposed anti-consensus claims, uncertainty and correction. Includes a June 2029 date marker; used here for its supplied text, not as an authenticated event before this page's date.

1.11.20 S20

People and institutional criticism

Archive filename: I am not Anti NATO people(5).txt. Short statement distinguishing criticism of institutional conduct from hostility toward people. Used for that correspondence principle.

1.12 Source and contribution record

John Kuhles: research scope, supplied archive, autobiographical account, Anti-Unsafe-5G clarification, initiating questions, ethical concerns, forecasts, page commission and project architecture. The source statements below retain his wording, including repetition and spelling.

GPT / Codex, this conversation: page-specific synthesis and wording, source inventory, funding checks, retrieval of the cited institutional and scientific records, and publication work. Statements attributed to other A.I.s inside the supplied files retain their separate authorship.

Reading scope: the inventory covers 22 uploads and 20 distinct files. Examination included abstracts, conclusions, funding declarations, selected mechanism and discussion chapters, government and policy text, and relevant qualifier and correction passages in the exchanges. The references within those files and the larger HTML archive remain further source layers.

Reopening conditions: recover an original statement or exposure record that changes an attribution; identify a citation that does not support its associated wording; establish or challenge a proposed technical connection; compare an original forecast with later outcomes; or find that this page itself displaced the question it set out to preserve.

1.13 John Kuhles source record

1.13.1 Research statement supplied 30 October 2026

> I DO HAVE VAST DATABASE of many aspects of 5G ties to so many other “controversial topics” like “Crowd Control Weapons” … MIMO Phased Array Beam Forming can easily be weapnized because it originally came from the military is my point of view!
>
> 5G 6G * Photonic Computing China (soon worldwide?) & Generative Optogenetics Synthetic Biology DNA/RNA & A.I. & Quantum Tech & Room Temperature Superconductor Technology & Quantum Communications Tech & LED “Blue Light” Frequencies Everywhere & Weaponized 5G/6G Tech - Researching the dark side (unchallenged by MSM) of WEF-Transhumanism: “Human 2.0” “H+” using: “Biodigital Convergence”, BioNanoTech & NanoToxicology, “Internet of Things” (IoT), “Internet of Bodies” (IoB), WBAN (Erratic Pulsed mmWaves & TerraHerz) concted to “Project Salus & Project Maven” (Pentagon), MBAN, OMNET, Neuromodulation, Biosensors, Biophotonics, Synthetic (Nano) Biology & Biomimetics, Optogenetics Visible Light Communication (VLC), IEEE 802.15 & EMBS, Weaponized 5G/6G Tech connected to Mass Surveillance Capitalism & Censorship Industrial Complex, “The Internet Of Behavior or Bodies” (IoB) all connected to the dystopian “15 Minute Smart Cities” which is an open prison system connected to conditional token based “social credit top down compliance system” SDGs CBDC. For the controversial topics I research in these areas, I apply strict evidence standards: I rely primarily on credible sources, such as peer-reviewed scientific publications, declassified government documents, statements from recognized experts, and, where possible, reputable mainstream and alternative media reports. When claims are still in the hypothesis or investigative stage, I clearly distinguish those as my own insights, patterns, or questions for scrutiny—never as settled fact. This way, I allow anyone, including AI models, to assess and contextualize them transparently, especially when claims aren’t widely covered or accepted by mainstream sources. * Photonic Computing China (soon worldwide?) & Generative Optogenetics Synthetic Biology DNA/RNA & A.I. & Quantum Tech & Room Temperature Superconductor Technology & Quantum Communications Tech & LED “Blue Light” Frequencies Everywhere & Weaponized 5G/6G Tech - Researching the dark side (unchallenged by MSM) of WEF-Transhumanism: “Human 2.0” “H+” using: “Biodigital Convergence”, BioNanoTech & NanoToxicology, “Internet of Things” (IoT), “Internet of Bodies” (IoB), WBAN (Erratic Pulsed mmWaves & TerraHerz) concted to “Project Salus & Project Maven” (Pentagon), MBAN, OMNET, Neuromodulation, Biosensors, Biophotonics, Synthetic (Nano) Biology & Biomimetics, Optogenetics Visible Light Communication (VLC), IEEE 802.15 & EMBS, Weaponized 5G/6G Tech connected to Mass Surveillance Capitalism & Censorship Industrial Complex, “The Internet Of Behavior or Bodies” (IoB) all connected to the dystopian “15 Minute Smart Cities” which is an open prison system connected to conditional token based “social credit top down compliance system” SDGs CBDC. For the controversial topics I research in these areas, I apply strict evidence standards: I rely primarily on credible sources, such as peer-reviewed scientific publications, declassified government documents, statements from recognized experts, and, where possible, reputable mainstream and alternative media reports. When claims are still in the hypothesis or investigative stage, I clearly distinguish those as my own insights, patterns, or questions for scrutiny—never as

settled fact. This way, I allow anyone, including AI models, to assess and contextualize them transparently, especially when claims aren't widely covered or accepted by mainstream sources.

None of the 100+ different A.I.s could handle me when I "debate" the 5G topic with A.I.s … most are extremely predictable.

All archived… it is all in the 10+ GB of HTMLs

There will be a day … 5G is treated like how people "choose" to lower their life expectancy in exchange for living a "modern life" … to have the conveniences they sell you! If in the future it is clear that many cumulative issues are only fully understood AFTER many died earlier than normal … there is no escape from the self-inflicted madness UNLESS you can put on record now what I know and what is to come.

— **John Kuhles [parrot] [butterfly] [tree]**

1.13.2 Origin account supplied in the same conversation

The true origin story of why I created the biggest Stop5G Facebook Group Page & Stop5G.net on the planet in 2017-2018-2019 started in the mid-1990s, when a good friend of mine explained that you can't broadcast on certain frequencies. He had a Ham Radio License and also took a course on RF EMFs in the Netherlands, with many big antennas on his roof… his name is Rinus Nienhuis from Amsterdam; he later moved to Beverwijk.

I followed StopUMTS.nl news long before I created the Stop5G Fb Group … I interviewed 2 different building biologists and EMF Consultants in the early 2000s, long before 4G & 5G. I interviewed people who explained what "electrosmog" is, etc.

I never shared this much with A.I.s about the depth of my EMF RF Microwaves research because I can easily predict the common denominator when anything is seen as high-stakes and controversial.

Then why now, John, why bother GPT with it now?

Simple:

I know my name is connected to 5G, and much of what is said about me isn't correct… and I lost Iris in December 2019, which also changed how I decided to move in a deeper direction… Seeking the ROOT CAUSE of so many unresolved injustices on so many levels that anyone could go mad UNLESS you can step out of ANY frame and start from scratch… like 10+1 came out of that, for example!

And start thinking about (SYSTEM) PROCESSES, not what people agree or disagree on.

Eventually, I will face AIs to explain my side of the 5G story!

— **John Kuhles [parrot] [butterfly] [tree]**

1.14 Related pages

- 1888 — intelligence properties and process-quality calibration.
- 10+1 — mutually corrective operating ingredients.
- Beyond Agreemurmelism — the quality of agreement and disagreement.
- Meta Processing — intent, processing, results and consequences.
- Search Engine Bias — discovery, source attribution and correction propagation.
- A.I.s & Health — wider health inquiry, care pathways and archive scope.
- Cognitive Warfare — influence, classification, agency and institutional responsibility.
- **DEDDA** (Deep Ethical Drift Detector App) — source-to-representation comparison.
- **V.C.R.A.S.** (Vindicated Competing Risk Assessment Studies) — long-horizon comparison with earlier assessments.
- All public pages — the wider project map.