

# **ECHELON Signals Intelligence Systems: Invasive Surveillance, Unauthorized Medical Device, Environmental Hazard, and Biological Weapon**

ANALYSIS OF ECHELON SIGINT SYSTEM CAPABILITIES

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## **(1) Legal Disclaimer**

All information in this document was obtained outside of a non-disclosure agreement. I would like to remain anonymous under the name Logicismyfriend.com. I do not work for any government entities or government contractors. No non-disclosure agreements have been breached in writing this document. The information in this document is considered public information and is not classified by any government. Further explanations on the legality of releasing this information will be provided within the body of this document.

## **(2) Background Information**

For roughly a year the government has tried to silence me on this matter. I would like to remain anonymous for now under my website name: Logicismyfriend.com. I am a biologist and a medical device engineer that works in the private medical device industry. Through my line of work, I had accidentally stumbled upon an unauthorized medical device that the government has operated on the general public for years. The public is not aware of this medical device, that is because it has been masked with an unsuspecting name. Medical devices cannot be used upon one's body unless that person consents to it. It is impossible for anyone to provide consent if it is deemed highly classified by government. The medical device I speak of has been in use for many decades, and the government has ignored its true nature as a medical device.

It has been hidden under ECHELON Signals Intelligence systems (Sigint), which is intended to be a surveillance system operated by the United States and other governments. In order for these systems to pick up on signals intelligence around the world, they must emit a very powerful inaudible frequency that spans the entirety of the globe. This inaudible frequency penetrates every person's ears, eyes, and other bodily openings. Anything that penetrates this body in this

manner is automatically considered a medical device by health agencies around the world. That officially makes ECHELON Signals Intelligence systems a medical device, even if it is used as a surveillance tool.

I am a civilian engineer who figured this out through my private line of work, outside of any government contracts. I have done nothing illegal in figuring this out, so the government was unable to arrest me to keep me silent about this. Instead, the government mentally abused me, harassed me, interrogated me without a lawyer, and threatened to have me assassinated if I did not stay silent about this. After telling them that I would not stand down in releasing this to the public, they physically tortured my body with Havana Syndrome for months. I received this torture without any medical treatment from the government. Through the months of their torture, I had to pay out of pocket and go through civilian hospital systems and doctors to heal myself. I still am not fully healed, and I continue to get attacked with Havana Syndrome to this day. The more I work on this document the worse my Havana Syndrome attacks get. Fortunately, I have finally finished, and I am ready to release this information to the public.

### **(3) What is ECHELON Signals Intelligence?**

In general, ECHELON Signals Intelligence systems are known for surveilling all communications across the world to identify to security threats. They do this by filtering through all communications collected through WIFI, internet, and cellular networks. After the information is filtered, they use it to generate intelligence reports.<sup>1</sup> This can sometimes be

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<sup>1</sup> [ECHELON system details](#)

referred to as “Chatter.” Not only does it collect information passively, but it can also be used to actively surveil specific individuals or groups of individuals with identifying features.

Signals intelligence (Sigint) involves collecting and intercepting signals, including the signals emitted from our phones, laptops, tablets, Smart TVs, WIFI enabled microphones, and more. If you have knowledge of these types of devices, then you know that these device signals are too weak to be received by even highly sensitive receivers. So how are ECHELON Sigint systems receiving our signals?

### Stochastic Resonance:

Stochastic resonance is a common technique to amplify weak signals. This then makes the signals strong enough to be received by highly sensitive receivers. In order to create a stochastic resonance, a randomized or specific frequency (like a noise) is emitted, which resonates with the localized signals to amplify their strength.<sup>2</sup> As seen in the diagram below, there is an optimal noise, or frequency, that can be added to a signal to amplify its output.<sup>3</sup>

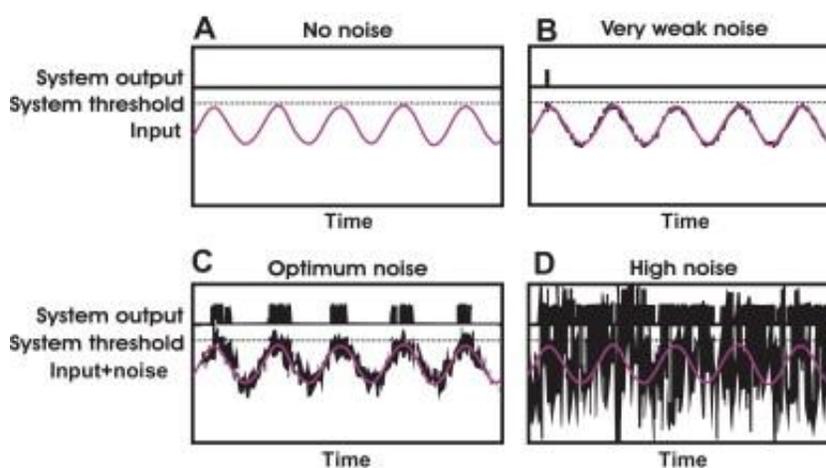


Figure 1. Showcasing different noise levels and outputs using stochastic resonance.<sup>3</sup>

<sup>2</sup> [Source 1](#) [Source 2](#)

<sup>3</sup> [Modelling non-invasive brain stimulation in cognitive neuroscience. Figure 1](#)

ECHELON is the name of the system that transmits an inaudible noise which amplifies weak signals emitted from our electronic devices. Those signals that were originally too weak to be picked up on, are then strengthened using stochastic resonance. The signals are amplified enough to be received by highly sensitive receivers. All of our devices and electronics are amplified to create a powerful electromagnetic field. Our device's signals then travel through this electromagnetic field to be picked up on by highly sensitive government receivers. These electromagnetic fields create an "electrical cloud" or a medium for our communication signals to travel through.



Figure 2. *Powerful Electromagnetic Fields creating the perfect medium for signals to travel through.*

Our world's great network of electrical power lines are the primary tools that carry all of these signals over very long distances. These signals from our homes are then received by the nearest government receivers. ECHELON Sigint systems have amplifiers and receivers placed strategically around the world to intercept communications on a worldwide scale.

#### **(4) Capabilities of ECHELON Sigint Systems**

Since ECHELON Sigint systems utilize electromagnetic fields to carry signals long distances, there is almost no limit to what signals these surveillance systems can amplify and receive. This is not the same surveillance methodology that typical investigative bodies use, like as seen in the movies. This is much more invasive upon people's lives than anyone would ever anticipate. They can see and hear many communications without the use of a warrant. This is because it is impossible to obtain a warrant to receive signals from every person on the planet. When actively targeting a specific person, or group of people, it is expected that a warrant would be obtained. However, it is unknown if warrants are obtained in every case. These systems are intended to receive all signals from our electronics. This can include: personal images or videos from our cell phones, proprietary business information on our computers, or private conversations with a friend while standing near an actively listening home assistant device.

All of the signals that are received are processed through word and visual recognition systems. This is then analyzed and filtered through a keyword system to flag for any potential threats. Then an intelligence report is generated specific to the keywords chosen by government employees. This is to prevent any major terrorist attacks and to monitor active threats to our country. When identifying potential major attacks, it is assumed keywords like "bomb" or "school shooting" are used to flag specific individuals for further review. But how do we know that an innocent person's privacy isn't invaded by an accidental flagging of their communications?

Also, how do we know that this technology is not being used for illicit purposes? For example, keywords can be used to target and receive information from people deemed as political threats.

Imagine if government officials received regular reports from information discussed in a private business meetings, gain insight of the news cycle of the day by spying on news networks, obtain private sexual photos or videos from someone's phone as blackmail, or even receive reports from a political opponent's personal phone and computer? Whoever has access to ECHELON Sigint systems has the freedom to add in keywords that they deem are security threats. If that government employee deems that a specific person or group of people are a threat, they can input specific keywords to receive reports of their relevant communications.

As citizens of the world, how do we know that these systems have ethical procedures and protocols that prevent the accidental viewing of private communications and prevent illegal spying upon personal electronic devices? After detailing just how invasive ECHELON Sigint surveillance systems are, I hope that it results in public transparency about this technology and it's ethical procedures.

### **Audio and Visual Signals:**

The ECHELON Sigint systems can passively receive audio and visual signals from all electronic devices from around the world without a warrant. The use of stochastic resonance and electromagnetic fields allows for any and all visual and audio signals emitted from electronic devices can be received. All devices that possess visual and audio capabilities emit these signals. Below are some examples of what can be obtained from our electronics.

### **Screen Mirroring:**

When signals are collected passively, all visuals from the screens of our computers, phones, tablets, TVs, etc. can be received. Then the Sigint systems filter through all those visuals. This can include viewing emails, financials, work meetings, movements on webpages, account

passwords, credit card numbers, virtual doctor's appointments, therapist sessions <sup>4</sup>, text messages, phone call logs on screen, facetime or video chats, online pornography, personal pornography, general app usage, etc.

### **Cameras:**

It is also possible to receive signals from any cameras on electronic devices. This includes both sides of a phone camera, webcams, home security systems, etc. If the camera is actively on, they then they can passively collect everything the camera sees, whether you are taking pictures a pretty sunset, work documents, nude images, or your dinner plate.

When your camera is not actively on, visuals from your device cannot be passively received by ECHELON Sigint systems. If the government or law enforcement obtain a warrant, they can actively turn on your camera even if you think it is not on. They do this to pick up on clandestine activities. However, in daily life, this can be most invasive when people hold their phones while in a bathroom or while checking their phone during sexual activity. Imagine being flagged and investigated for something like tax fraud, and as a result, government employees see you in private moments irrelevant to the investigation.

### **Audio:**

Audio signals can be received through any electronic device with a microphone. This includes phones, computers, home assistant devices, security technology, etc. The ECHELON Sigint systems passively receive all communications through your microphones if the microphone is actively listening, like when you have a voice virtual assistant set up on your cell phones,

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<sup>4</sup> Even with a warrant, it is illegal for law enforcement to listen in on virtual doctors' appointments and therapist sessions without the consent from that individual.

computers, and home assistants. This can invade in on private household conversations and meetings in an office, but they can also pick up on noises while you are in the bathroom and having sex, etc. Imagine being accidentally flagged as a person involved in sex trafficking because of strange things said in the bedroom, and as a result you are investigated for something that was a consensual act. Imagine day's worth of audio recordings of you that the government can gain access to if they choose to, even including while you are in the bathroom or during private moments irrelevant to the investigation.

### **Brain Waves:**

This may seem to come out a science fiction story, however, I am sad to say that this is possible with today's technology. It has likely been happening for over a decade. It is common knowledge that brain waves are too weak to be received by a nearby receiver. It is a common misconception that only electrodes directly on the head can receive brain signals. Only electrodes on the brain can receive brain waves in their natural state. It is possible to use stochastic resonance to amplify brain waves to a level to where they can be captured into the nearby electromagnetic fields.

Just as ECHELON Sigint systems can emit inaudible frequencies to amplify signals from electronic devices, it can also be used to amplify brain waves. This inaudible frequency penetrates through our ears, eyes, and other bodily openings to reach our brain and nervous system. Using stochastic resonance to amplify brain waves is frequently seen in research, but not considered common knowledge to the public. The inaudible frequency penetrates our head to amplifies of our brain waves strong enough to be emitted into the electromagnetic fields that are generated by electronic devices.



Figure 3. *Through the use of stochastic resonance, brain waves can be amplified strong enough to enter electromagnetic fields that are generated from nearby electronics. Please note: the inaudible frequency used to create stochastic resonance is not indicated in this figure.*

There are many studies showing that stochastic resonance can strengthen brain waves. In 2002 there was a study proving that stochastic resonance can strengthen alpha brain waves.<sup>5</sup> They did this by emitting a noisy frequency through the eyes of test subjects (Fig. 4)<sup>5</sup>. When the noisy frequency entered the brain, the strength of the alpha brain waves increased dramatically (Fig. 5)<sup>5</sup>. This study also showed that amplification of brain waves is similar among all of the test subjects.<sup>5</sup> This means it is possible that everyone's brains can be amplified to similar levels, leading to more consistency across the population. This makes it easier to develop a technology to analyze these brain waves.

<sup>5</sup> [Noise-Induced Entrainment and Stochastic Resonance in Human Brain Waves.](#)

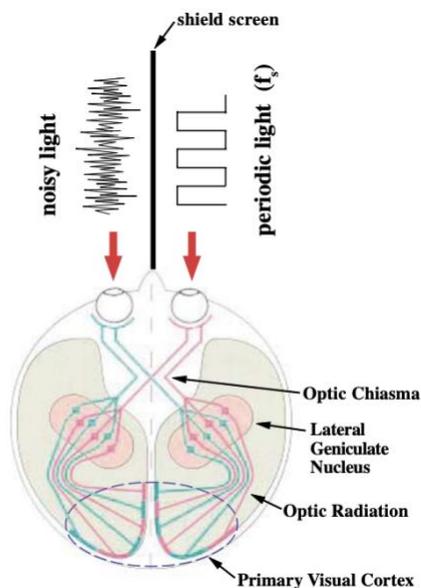


Figure 4. Noisy light entering one eye.<sup>5</sup>

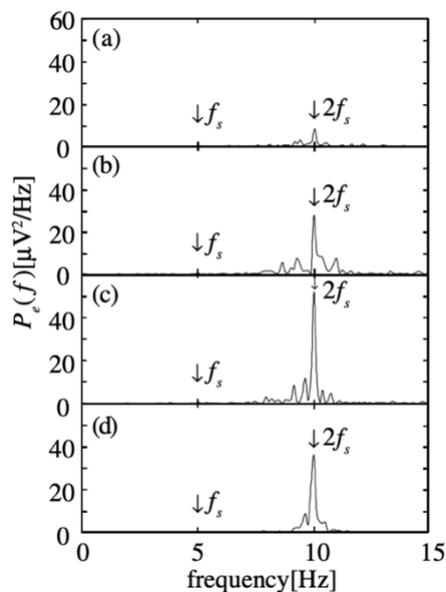


Figure 5. The power of Alpha brain signals amplified by varying frequencies. (c) is the optimal point of stochastic resonance.<sup>5</sup>

The ECHELON Sigint surveillance systems emit this inaudible frequency to amplify your brain waves. If a person is located nearby any electronic devices, their brain signals would then travel through those nearby electromagnetic fields. The electromagnetic fields emitted from these electronics overlap with an expansive network of power lines around the world, creating an “electric cloud” or medium for the amplified brain waves to travel through. This then gets received by highly sensitive receivers and analyzed by ECHELON Sigint systems.

Just as the government can create word recognition systems to analyze audio signals, they do the same for our brain signals. They can hear words in your head, whether they are words heard through our ears, words actively thought in our heads, or words from our subconscious mind. For example, if you are busy working on your computer and someone with a bright pink shirt walked by, you may not actively think in your head “Wow, that is a bright pink shirt!” but it may be processed by your subconscious without hearing the words in your active mind. They could

potentially also identify music, movies, and other media through our ears, not just words. The ECHELON Sigint systems use advanced filters and keywords capabilities to identify words from our head that could be considered a threat. This can identify national security threats and potential terrorists early on before any plans are developed. This is something that Edward Snowden, a whistle blower from 2013, briefly mentioned in an NBC News Exclusive video.<sup>6</sup> He stated that government surveillance systems know what we are going to type, *before* we type it. Indicating that these surveillance systems can identify the words we intend to type before we get them onto our computer screens.<sup>6</sup> Technically that is only possible from receiving one's brain waves. This could be very useful to protect the country. For example, if a person has thoughts in their head to assassinate a president, or to carry out a major terrorist attack, but chooses to not speak aloud about their plans, then those thoughts can be identified and caught early. Those individuals would be flagged and likely targeted for an investigation.

Just like how everyone has a unique fingerprint, and unique DNA, everyone also has a unique identifier within their brain waves. Very slight differences in the brain wave signals allows for everyone to have their own "channel" so to speak, and the Sigint technologies are highly fine-tuned to switch between these "channels". They can separate out these signals in a manner that allows for individual identification. Just like how a police department can identify you by your DNA and fingerprints, they can also identify you based on your specific identifier within your brain waves. If you are deemed a threat, they can save your unique identifier or channel, and can actively monitor brain signals received from the systems.

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<sup>6</sup> [Clip from Edward Snowden interview NBC News Exclusive.](#)

Other information can be decoded from brain waves. Not just words or audio from our ears, but perhaps other information, including but not limited to: visual signals, motor function signals, olfactory signals, emotions, mental illnesses indicators, etc.

## **(5) Unauthorized Medical Device**

Despite some of its positive aspects, it is highly unethical and illegal to receive and analyze the brain waves of people. It is also highly unethical and illegal to force an inaudible frequency into our brains to surveil all communications worldwide. The ECHELON Sigint systems are technically a medical device, since it involves the penetration of the body and collection of patient biological information. Medical devices can only be operated on an individual if they fully consent to its use on their body. It is impossible to obtain consent from everyone on this matter because they are unaware it is being used on their bodies. Also, these inaudible frequencies are forced into everyone's body, irrelevant to distance from electronic devices, making it nearly impossible to avoid this nonconsensual penetration of our bodies.

### **Protective Measures:**

Even if you live off the grid, in the middle of nature, and throw away all your electronic devices, it does not prevent the inaudible frequencies produced by ECHELON from entering your brain. It is emitted throughout the entire planet, independent of electromagnetic fields emitted from our electronics. The only way to protect yourself from this is to have a protective technology or a defense system at your disposal. An example of a protective technology is a noise machine that emits White noise, Pink noise, or Brown noises. These noises prevent the frequencies emitted from ECHELON from interfering with your brain. This will also prevent your brain waves from being amplified and received by the government. The other option is a defense system, which is

rare to come by. On a recent tourist trip to Moscow, Russia, I accidentally recognized a potential defense system that could prevent ECHELON Sigint systems from intercepting Russian Government communications.<sup>7</sup> I am unaware of any other potential defense systems that could defend against these types of technologies.

### **Health and Environmental Hazards:**

Without a protective technology or defense system, there is no way to avoid this inaudible frequency from entering the entire population's brains. Not just humans, but it is also forced into animals brains, and into the bodies of plants, fungi, and cellular organisms. It makes contact with all living beings. This could interfere with the natural electrical signaling in the bodies and cells of living beings. If the signals are strong enough, it could disrupt the biological functioning of our bodies and cells.

A study published in the Proceedings of the National Academy of Sciences, analyzes how externally produced frequencies interfere with cellular functions and the nervous systems of animals.<sup>8</sup> This study shows that our bodies and cells have to work harder to block these signals from harming our body. Figure 6 shows what external stimulation in interneuron pathway.<sup>9</sup>

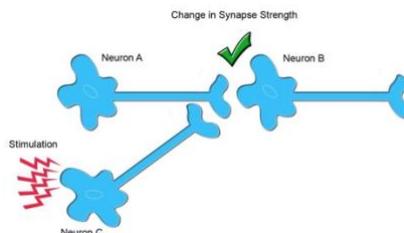


Figure 6. *External stimulation can interfere with the natural neural pathway. Nerves must work harder to override external signals.*

<sup>7</sup> Note: I will not go into detail of this defense technology. I have contacted the Russian government regarding this situation but have received no response.

<sup>8</sup> [Noise and stochastic resonance in voltage-gated ion channels.](#)

<sup>9</sup> [Figure 6](#)

This could exhaust our bodies and cells to make us lose strength from overexertion. The severity of the effects will depend on the strength of the external frequency forced into the organism.

With ECHELON, it is still an unknown of how strong the inaudible frequencies are, that would need to be investigated.

In humans and animals it could potentially harm: brain functioning, migration patterns, reproductive behaviors, the nervous system, cardiac signals, respiratory system, immune system, general cellular functions, DNA replication, etc. This could be detrimental for endangered or threatened species. It could also be detrimental to humans, especially in the midst of a pandemic.

In plants it could affect photosynthesis, which absorbs carbon dioxide from the atmosphere and replenishes it with oxygen. Interference of photosynthesis functioning could decrease the overall amount of CO<sup>2</sup> being absorbed by plants, and decrease the amount of CO<sup>2</sup> converted to O<sup>2</sup> in our atmosphere.<sup>10</sup> With our world's current issues surrounding increased CO<sup>2</sup> emissions, and with the large-scale use of this inaudible frequency, this could be detrimental to our planet. Not just because of decreasing in plant efficiency, but also for fungi and bacteria. This inaudible frequency can affect the efficiency of their processes, including the conversion and processing of essential chemicals for all ecosystems.

Animals, Plants, Fungi, and microorganisms are necessary for all the major chemical and biological processes on this planet. Disrupting any of these natural processes could cause large-scale ecological harm. This is not just dangerous for human health but it could be an accelerator for climate change and the rising of the 6<sup>th</sup> mass extinction on this planet. Based on this, ECHELON Sigint systems should be investigated by experts in the fields of human health,

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<sup>10</sup> [Electrical Signaling, Photosynthesis and System Acquired Acclimation.](#)

animal rights, environmental protection, and climate change. This is an unauthorized medical device and environmental hazard that did not go through the approval process with the proper health agencies and other relevant government bodies.

## **(6) Bioweapon Capabilities of ECHELON Sigint Systems**

Why were the ECHELON Sigint systems not identified as a medical device, and go through the proper legal channels? Because this is one of the types of technologies that is responsible for Havana syndrome.

### **Havana Syndrome:**

Havana Syndrome was first identified in Havana Cuba in 2016. It started with a series of frequency attacks upon members of the United States embassy in Cuba. This led to medical symptoms such as, ringing in the ears, dizziness, loss of coordination, cognition issues (like brain fog), and traumatic brain injuries. Similar frequency attacks have continued since then. They've occurred in many different locations around the world with various types of frequency technologies. There are some reports that state there could have been up to 1,000 cases total since this started in 2016.<sup>11</sup>

There are various types of technologies around the world that can cause symptoms such as this. Some technologies use sound waves, while other technologies use inaudible frequencies. There are attacks that used a local technology, while other attacks used a technology far from the

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<sup>11</sup> [\*Number of Havana Syndrome Victims\*](#)

victim's location. All of these attacks have something in common, they are frequency attacks that can penetrate through the ears of a person to affect their brain and nervous system.

One of the technologies responsible for Havana Syndrome is the ECHELON Sigint system. How does ECHELON Sigint systems do this? Just like how these systems can read our brain waves through the electromagnetic fields emitted from our electronic devices. These systems can also do the reverse action. They can force artificial signals into our brains and nervous systems through the electromagnetic fields generated by our electronic devices.

As stated before, each person's brain waves have an identifying feature. If someone is a threat, the government can use the ECHELON Sigint systems to tune to that individual's unique identifier (or channel) to listen in on their decoded brain waves. In the event of that person being a threat, they can directly attack their brain by tracing back the same pathway used to surveillance that person's mind. Once they have homed in on that person's unique channel, they are able to send electrical signals to their brain.

They can produce symptoms ranging from mild to severe. These symptoms are including, but not limited to: brain fog, cognition issues, dizziness, distinct voices (as if heard through a microphone), loss of coordination, brain trauma, tunnel vision and hearing, chest pressure, heart attack, lung closure, nasal passage closure, muscular spasms, gag reflex spasms (possible vomiting), incontinence, numbness, tingling, joint pain. The long-term damage varies among victims. Depending on the person, the attack may be intended for assassination, or they may intend to debilitate someone to slow them down, or to stop whistleblowers from leaking important information to the public.

## **Large Scale Capabilities:**

This is not just used to target individuals, it can also target a small group or large group of people. All that is needed is a simple software to bundle multiple identifiers obtained from individuals' brain waves. If a government wants to use this as a large-scale bioweapon, they are fully capable of attacking a large portion of a country's population. All they would need is a specific filter or algorithm that identifies everyone that speaks a specific language, or repeats certain words specific to that nation. These trends can be identified easily, especially if there is a local sports team or city name specific only to that population. They can then compile all of this information and target that entire population with symptoms typically seen with Havana Syndrome. This can also be done on a small scale, whether it is at a state level, community level, or even groups of friends. Technically, with their current capabilities, if the government knew of a specific word that a certain drug cartel would use, they could potentially track that word and identify their brain waves. They could then back track those signals and force an inaudible frequency through their ears that causes symptoms similar to Havana Syndrome.

Despite its potential capabilities in law enforcement, it is still considered a bioweapon.

Bioweapons and unauthorized medical device usage goes against the international standards set forth in the Geneva Convention.<sup>12</sup> It is a secret weapon that the public never knew existed, and is being covered up in the media. The public should know of its existence, considering how dangerous this is to public health. Citizens should know of the use of bioweapons in their country to keep their elected officials in check. If not, this technology could be used for illegal purposes on a large-scale, whether domestically or internationally. It can be used to target specific individuals or groups of people that have commonalities, like: language, political party,

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<sup>12</sup> [Geneva Convention Rule 92. Mutilation and Medical, Scientific or Biological Experiments.](#)

speech patterns, and accents, etc. They can use this to interfere in competitive sports, whether it is national level or international level sports. This bioweapon is capable of targeting the brain functioning of groups of citizens at a regional level or national level. This could potentially interfere with elections, which is a threat to democracy around the world.

Lastly, this bioweapon can be used to suppress journalists from speaking the truth of what crimes their government has committed against humanity.

## **(7) Conclusion**

The use of unauthorized medical devices upon the public goes against many national laws and regulations, no matter the country. It also goes against international treaties, like the Geneva Convention.<sup>13</sup> Laws, regulations, and treaties exist to prevent any unethical medical practices, unauthorized medical experimentation, and bioweapon usage upon the public. The United States, among other countries involved in ECHELON Sigint systems, have gone against these laws and treaties. They have access to inhumane technologies that can be used upon its citizens, with unknown ethics standards and protocols. The ECHELON Sigint systems never obtained proper approvals as a medical device and never deemed safe for the environment. The ECHELON Sigint systems must be investigated for unethical practices, for medical safety, environmental safety, and their use as a bioweapon against foreign and domestic citizens.

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<sup>13</sup> [Geneva Convention Rule 92. Mutilation and Medical, Scientific or Biological Experiments.](#)