

Incomplete Study on Determining the Effects of Commercial Television on Human Nervous System with Associative Imagery:

Hypothesis: Television has been used as a means of mass mind reprogramming through the stimulation of the viewer's nervous system through the modulation of the 0.5hz-6hz and upwards (sub-audible) range with direct association with the image on the screen. As this manipulation, if produced would be done without the public's informed consent warrants such study to determine it's short term and long term affect of conditioning individually as well as societal. Patents have surfaced in the last 20 plus years of apparatuses capable of such nervous system manipulation through both magnetic field resonance from CRT TVs to the non-audible acoustic from modern TV speakers. The publication of these patents 20 years ago have actually been devised in the 1950s and 1960s initially by a Prof. Ross Adey then others under the credit to a "Hendricus G. Loos" commissioned by various departments of military intelligence, initially under DARPA. The patents that had been published in the last 20 plus years include:

[**US Patents**]: [6238333](#), [6091994](#), [5782874](#), [6017302](#), [6506148](#).

These patents purport that the modulation of these **Extremely Low Frequencies** (*Referred to hereon as ELF*) can be used to induce Passivity, Anger, Sexual Excitement, Sadness, Relaxation, Knot in the Stomach and Sleepiness, among other emotional responses.

This study aims to determine if such emotion inductions can be correlated with the imagery they are paired with and whether such ELF modulations exhibit similar emotions from the frontal lobe area of the brain using an EEG.

While these inventions include magnetic field in association to ELF as can be induced from electrical motors of fans to Cathode-ray tube (CRT) Tele-visions, the focus of the study is on the audio output of the speaker(s) from Television programming as such CRT technology to induce by magnetic field radiation has been antiquated from most of mainstream society. Furthermore the study may find strong correlations to the content observed on Tele-vision programming to the nature affects of the ELF transmitted.

Method:

[**Phase 1**] Sound would be captured directly through a sound board capable of capturing below the 20hz range. Thirty second samples of TV programming would be recorded with the MTS container format on USB drive directly from the USB port of an ATSC (Digital Converter Box) when FFT spectragraph and dB vs Hz displays activity under the 100hz and below the 20hz range when such frequency modulations are distinct (anomalous) from the above 100hz audible spectrum.

[**Phase 2**] A small pool of volunteer participants would be individually hooked up to an EEG and provided TV stimulation of programming that had been documented as exhibiting the ELF frequencies associated with imagery on the TV as well as programming without the ELF frequencies with the same imagery. The two sub-tests tests would be compared for correlations in signal to nervous system response and a report formatted and sent as complaint to the FCC and the Attorney General's Office of the Department of Health if a strong correlation is found and if sociological harm can be suspected.

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The studies we suggest to the science community as a followup to this one may include:

1. *Triggers to genetic dispositions of psychological and physiological disorders through commercial Television programming in the use of ELF.*
2. *The effect of commercial Television programming on developing minds vs developed minds (Spectrum of Age-group study) in the use of ELF.*
3. *Study minute or quick changes in the quality, intensity and unconscious subliminal nature of light and shadow of the visual cortex of Tele-vision in correlation to the ELF counterpart on the nervous system of the study participant(s).*

Initial Observations:

The sub-audible signals which has been observed as anomalous to the audible range of the acoustic signal broadcast on commercial television, as can be observed through FFT spectrograms (Fourier analysis) and dB vs Hz scope of both regular programming as well as commercials, with wave signatures that are both regularly anomalous below the 100hz range as well as consistently anomalous when present below the 20hz range. In contrast, these sub-audible signals have not been observed in public access television programming. The following FFT observations include some distinct examples; the first line in the FFT scope is 100hz and the second line is anything under 20hz:



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In the examples it has been observed that **A** is absent of any sub-audible activity below the 100hz range. With example **B** the lower audio signal is extended to 20hz with distinct signatures of lower dB below the 20hz range. In example **C** both below 100hz and below 20hz have distinct signatures from each other. In the final example **D** the audible signal reaches below the 100hz with absence of anything below 20hz.

The Concern for Public Health:

Such sub-audible frequencies may produce a nervous system response without the public knowing and without the public's informed consent. As indicated in the collection of patents listed on page one, such purpose in transmission of Television programming in the ELF (Extremely Low Frequency) spectrum would only serve to induce unconscious emotional affect that would be unsuspecting as well as unknown to the consumer of such Tele-vision programming, especially to those consumers of developing minds. The evaluation of of such FFT graphs of sub-audible acoustic transmission the speakers of television should include:

1. Where similar patterns reflect above as well as below the 100hz and 20hz range may suggest emotional response in emphasis.
2. Where different patterns reflect above as well as below the 100hz and 20hz range may suggest more of a manipulative emotional response rather than emotional emphasis from the audible range.