



## EMF TRANSFORMERS EFFECTS

QEEG Brain-mapping

### Introduction: About Electromagnetic Fields

Electromagnetic waves are generated by all electrical devices from a table lamp to a microwave oven to mobile phones. Mobile phones are of particular concern because of the radio frequency (RF) waves they produce and the tendency to use phones close to the head or stored close to the body. Whether or not the energy fields emitted from these devices are harmful is the subject of intense debate in the scientific community. However, the International Agency for Research on Cancer (IARC), a World Health Organization agency, classified radio frequency electromagnetic waves as “possibly carcinogenic” in a May 2011 report citing an “increased risk for glioma, a malignant type of brain cancer associated with wireless phone use.”

***Major cell phone manufacturers caution users to keep phones at least 5mm to 15mm from the body and to use hands-free devices, speaker phones, and other distancing accessories as often as possible.***

### EMF Transformers and Vital Force Technology

Some manufacturers claim to reduce RF radiation through devices that purport to block radio waves. Unfortunately, if RF signals are blocked, it means the device is not receiving the signals it needs to work. An example of this would be your cell phone not receiving a call or text, because it can't get a signal. Energy Tools' Vital Force Technology does not block radio signals, but instead employs a process to create materials that transform and reduce the effects of the potentially harmful RF radiation.

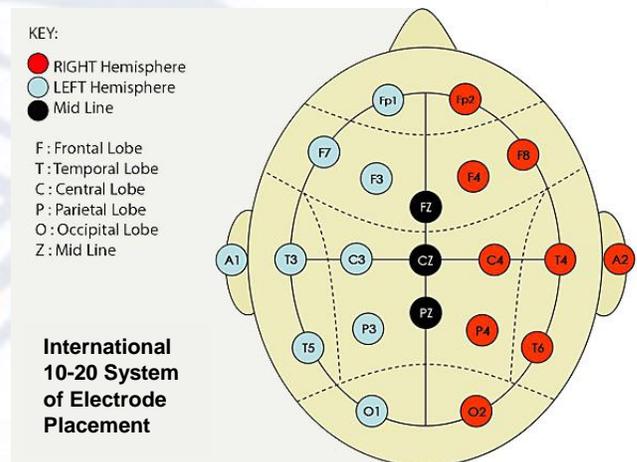
***By producing a regulating effect on the energetic system of the body, the EMF Transformer helps to compensate for the over-stimulating effect of electromagnetic radiation on the brain.***

In a study of smartphones and Energy Tool's EMF Transformer products at the Center for Cognitive Enhancement in Glendale, Arizona, Dr. Jeffrey L. Fannin, Ph.D., employed sophisticated brain mapping tools to measure the effects on the brain during mobile phone use with and without the EMF Transformer. The results clearly show that using the Vital Force Technology-infused EMF Transformer counteracts *overstimulation of the brain's electrical activity* created by the RF radiation.

***Studies clearly show that using the Vital Force Technology-infused EMF Transformer counteracts overstimulation of the brain's electrical activity created by radio frequency (RF) radiation.***

### The Research

The EMF Transformers used in Fannin's research were infused with a subtle energy pattern designed to compensate for the destabilizing effect of electromagnetic radiation emitted by electronic equipment on electrical brain activity. Both male



and female subjects used iPhone 5 smartphones over AT&T and Verizon networks, with and without the EMF Transformer attached to phones.

A number of experimental approaches were employed, including qualitative electroencephalograph (QEEG) brain-mapping, which involves gathering electrical signals from the brain, and Joint Time Frequency Analysis (JTFA), a method of measuring a signal (such as brain waves) over time.

### QEEG Brain-Mapping Experiments Using Cell Phones With and Without Subtle Energy-Infused EMF Transformers

The QEEG activity observed by Dr. Fannin was modeled with AVATAR 3D software to give a three-dimensional view of brain activity during cell phone use. **RED** represents energy exposure three standard deviations (SD) above normal; **YELLOW** shows two standard deviations above normal. **GREEN** shows the brain in a normal state, while **BLUE** indicates three standard deviations below normal.

The following pictures represent average readings of the 5 male and 5 female subjects. As shown in Fig. 1, the frontal lobes of the male subject are impacted (see **RED**, 3 SD above normal) at Location F7 with the cell phone held to the left ear, without use of the EMF Transformer. Elevation of neuronal activity in this region of the brain has been shown to cause problems with working memory, verbal expression, speech fluency and cognitive mood regulation. It is also associated with a lack of flexibility of logical attention. However, use of a cell phone with the attached EMF Transformer (Fig. 2) shows normal activity not only at Location F7 (**GREEN** color), but also throughout the entire brain.

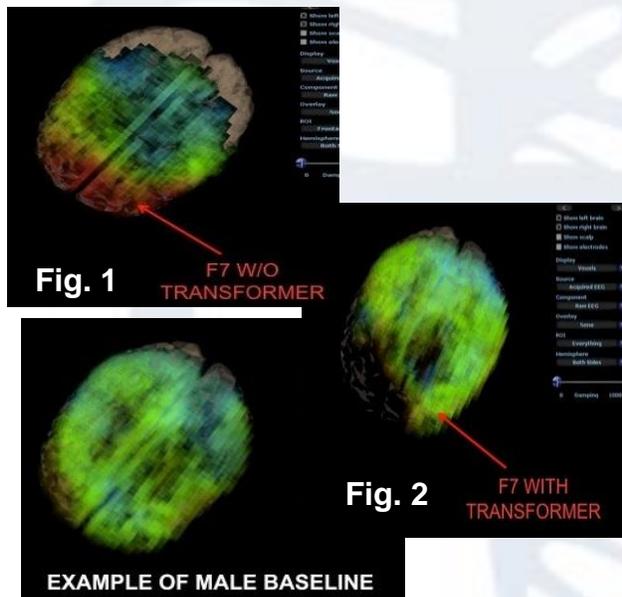
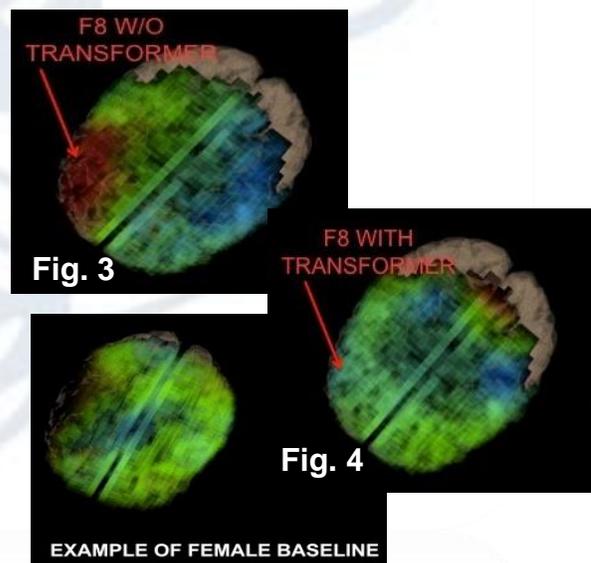


Fig. 3 represents the brain-mapping of frontal lobes at Location F8 in the female subject without a subtle energy-infused EMF Transformer. Neuronal activity is more than 3 SD above normal (**RED**). Overstimulation of Location F8 has been linked to problems with sustained attention, processing facial emotional expressions, and working memory – both spatial and visual, as well as gestalt (configuring objects and experience). The elevation of right frontal lobe activity, while using the cell phone



without the infused transformer, also suggests that an individual may have less efficiency in emotional attention and verbal expression.

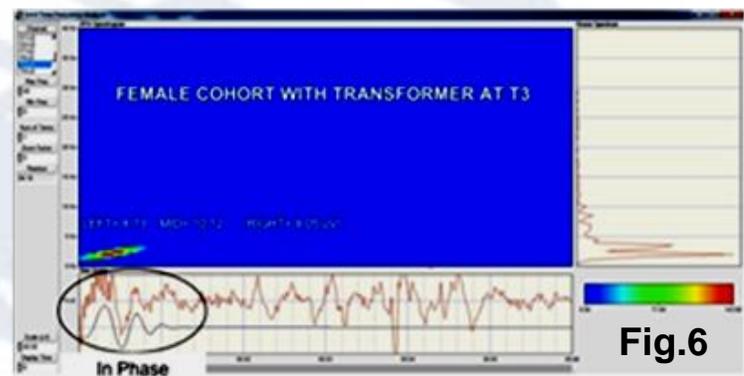
However, Fig. 4, which shows brain-mapping of female subjects while using a cell phone with the EMF Transformer, suggests normal activity not only at F8, but throughout the brain, as indicated by the color **GREEN**.

*There is a significant reduction in the amount of energy present with the infused transformer, when compared to the conditions without the transformer.*

### Joint Time-Frequency Analysis

Using Joint Time-Frequency Analysis, a method for tracking brain waves over a given period of time, show (Fig. 5 and Fig. 6) that the brainwave bursts of energy measured with and without infused EMF transformers at Location T3 are significantly different. This suggests that there is a change in brainwave energy while using the cell phone with the infused transformer. Without the infused transformer (Fig. 5), the burst of energy measured at that location is of greater intensity and longer duration than the one presented in Fig. 6 (the cell phone used with the infused transformer).

Comparing the results with and without the EMF transformer, we can make the following conclusions: there is a significant reduction in the amount of energy present at Location T3 with the infused transformer, when compared to the conditions without the transformer. In addition, tests with cell phones without the infused EMF transformer present brainwave patterns that are out of phase and less coherent. In contrast, when using the cell phones with the infused EMF transformer (Fig. 6), brainwaves are in phase, presenting a more coherent brain state.



## Conclusion

Whether or not radio frequency waves are harmful to humans is the subject of much study and debate. The prudent individual, given a choice, usually opts to err on the side of caution. However, in cases where it is not practical to move an electrical device or mobile phone away from the user, it makes sense to employ additional help to reduce electromagnetic exposure. The research conducted by Dr. Fannin at the at the Center for Cognitive Enhancement clearly shows the Vital Force Technology-infused EMF Transformer counteracts the effects of electromagnetic radiation on the brain by maintaining normal brain wave patterns. By producing a regulating effect on the energetic system of the body, the EMF Transformer helps to compensate for the over-stimulating effect of the RF radiation by a smartphone on the system.

## References

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