

Holographic Counterbalance to Protect From Potential Deadly Effects of Wireless Communications and Convenience Devices

ZeroQuantum Research Staff, Lee G. Woolley, MBnP, CBP, HealthWalk Research Staff

ABSTRACT

This article deals with the biological compatibility issues of convenience devices such as wireless communication devices such as mobile cell phones, WiFi, and home wireless phones and other devices that could produce airwave frequencies harmful to human health.

The political, medical, scientific, consumer, and innocent by-standers environment will be discussed, along with current testing in regard to the natural wave guide environment of the planet. Solutions for issues raised will be presented along with the history of why the solutions make sense, with testing use to verify the solutions presented.

Overview

There is an old English adage that goes like this, the information we have is not what we want, the information we want is not what we need, and the information we need is not available. This thought process is perfect for presenting the contents of this paper in proving the information we need is indeed available and has been available for some time and disregarded for various reasons.

- a. **The information we have is not what we want.** There is a growing concern among many scientist and doctors that medical issues are apparent in the proliferation of frequency based convenience devices such as cell phones, household wireless phones, satellite transmissions and WiFi routers. More information appears to be needed to determine if medical issues are associated with the use of convenience devices in addition to current certifications of Specific Absorption Rate in relation to the effect of radiated heat on the body.

Cell phone and convenience device companies along with Government Regulators and some doctors profess there are no issues with these devices. Their position is that SAR testing is the way to determine biological compatibility with the body from simply measuring heat radiated from the devices.

"Whereas high levels of Radio Frequency (RF) can produce health effects (by heating tissues), exposure to low-level RF that does not produce heating effects causes no known adverse health effects," the **FDA states**. "Many studies of low-level RF exposures have not found any biological effects."

The **American Academy of Pediatrics** doesn't have an official stance on kids' cell phone use, Fisher tells WebMD. "We're not seeing any increased risk, not seeing any association; we're not seeing any new tumors; we're not seeing any changes in tumor patterns" in the research, Fisher says.

There is an apparent conflict of interest in regards to convenience devices and especially wireless communication devices, in that, governments are selling bandwidth to the cell phone companies, so they can sell more cell phones. The accountability is suspect, to say the least, since the guardian of consumer health has a monetary connection with the companies they are regulating. This group apparently wants to use the existing SAR information and just take a wait and see attitude concerning medical issues. The economy and politics come into play also with massive lobbying on the part of wireless and convenience device companies to influence politicians to not address the potential issue.

If governments are not going to get involved in this matter it is up to concerned citizens, doctors, and research scientist to notify the public of any perceived issues. Many prominent doctors are speaking out now with strong comments on large scale perceived dangers. Common sense would suggest that any industry that grows at the accelerated rate of wireless communication and other convenience device companies, with products that work in our wave guide area, would be closely scrutinized to be sure there is no biological impact.

Some countries have to be given credit for issuing advisories concerning cell phone potential health issues such as Canada, U.K., Belgium, Germany, France, India, and Russia.

- b. The information we want is not what we need.** The current system of testing electronic devices, which consist predominately of (SAR) Specific Absorption Rate testing, does not seem to support the insurance of biocompatibility for humans and animals. SAR testing is based on using a robot phantom of a human to measure heat radiation. There is far more to frequencies being used by cell phones and convenience devices in relations to the human body than just the issue of heat.

This test, furthermore, appears to be outside the biocompatibility range of humans and animals to start with and appears to be set more to market bandwidth and more convenience devices than to protect the health of the population.

The information the government and wireless companies want to use in keeping the public safe will be developed as only part of what should be used in making determinations on public health.

c. **The information we need is not available.** The question becomes why are cell companies and governments not seeking all the information that is needed in judging biocompatibility. There is clearly information available that should be examined in judging the health affect of convenience devices. Some of the information we need to insure a healthy environment will be developed in this abstract.

Furthermore, there is obviously too much at stake from an industry and government standpoint to slow the proliferation of convenience devices, so the only alternative is to stress the safest way to use the products, which will be presented, and to create ways to buffer the body from the noxious affect of the convenience devices and to boost bio coherence in the body.

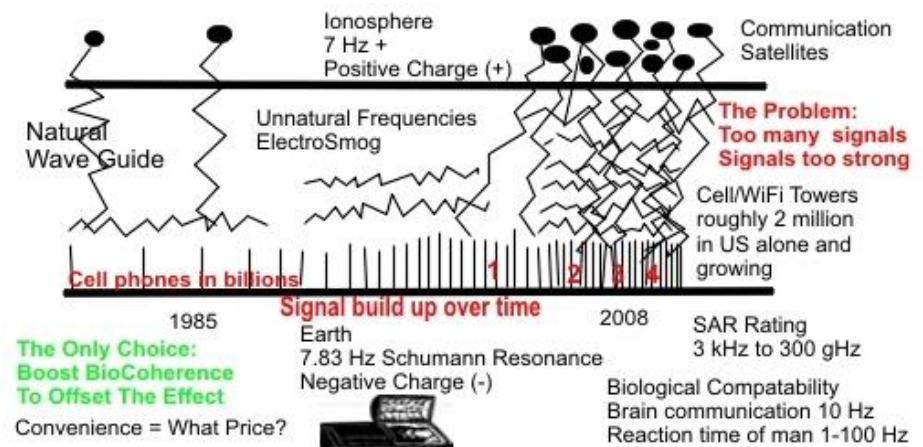
Programmed holographic disc will be demonstrated and proved to be an effective way to counter the noxious parts of the signals from the devices and from frequencies in the air for those not using convenience devices. The body has to be shielded and boosted to allow time to heal from the constant bombardment of signals proliferating 24 hours a day to insure the health of the population.

The Natural Environment and Wave Guide we operate in and what has caused the perceived pollution

We live in a **wave guide** as it is known in physics. The ionosphere is above us with a frequency of roughly 7 hertz with a positive (+) charge and the earth is below us with a frequency of roughly 7 hertz (Schumann Resonance is actually 7.83 hertz) with a negative (-) charge. This is the atmosphere we have in nature to live in and everything is in balance. In addition, our brains operate in a 10 hertz range communicating with the body.

Compare the natural environment presented here to the current environment we have now and the SAR's measurement that runs from 3 kHz to 300 GHz.

3 kHz is the equivalent of 3,000 Hz. Nature has set up an environment below 100 Hz for the natural order of life,



Doctors and scientist are concerned about tumors and other medical conditions including obesity. If your bodies communication system is jammed by high frequency noxious signals BioComptability suffers and medical conditions become a natural bi-product.

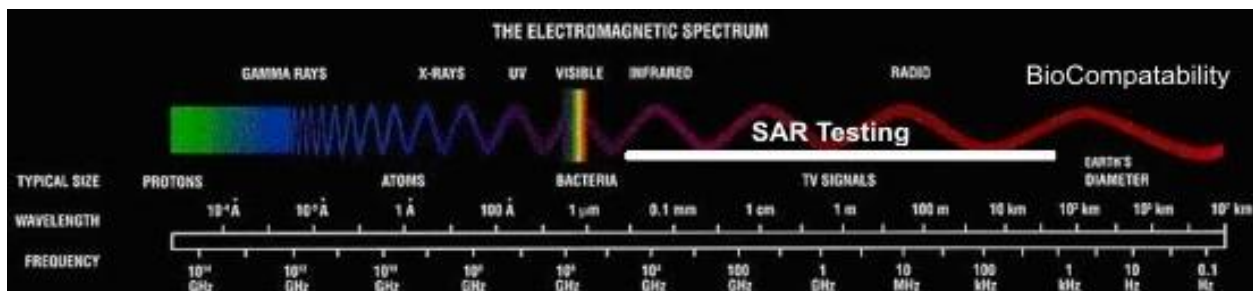
including the range our brain communicates to the rest of our body with. In the big picture we have a major discrepancy to start with, but let's look at the details.

It is easy to understand why the SAR's test parameters had to be set the way they are. We have approaching 4 billion cell phones with the towers to support them along with WiFi and radio towers everywhere you look. We are bombarded with electromagnetic pollution and most of this change has come in the last 30 years. So we changed the rules to comply with the environment we have polluted.

If we bombard our bodies with frequencies outside the range of bio-compatibility it is no wonder we have medical issues, including out of control weight gain, all over the world. If our biological communication system is **jammed** or **confused** by electro pollution there is a good chance we are going to have medical issue as bio-coherence is disrupted.

How cell phones and other electronic devices are currently rated for safety

The current (SAR) Specific Absorption Rate is based on USA Standard IEEE C95.1, published in April 1999 (IEEE 1999). This standard sets the limits for human exposure to radiofrequency fields in the frequency range 3 kHz to 300 GHz. This measurement is based on controlled and uncontrolled environments. In controlled environments the limits are higher than noted. These limits are in the same category but vary in Europe and other areas.



Note the BioCompatibility range of frequency vs the SAR Testing frequency range. The entire range used by SAR is set to what the cell companies need to sell more phones and not to the area that nature has set for biocompatibility.

The specific absorption rate describes the initial rate of temperature rise as a function of the specific heat capacity of tissue. A limitation of the specific rate prevents an excessive heating of the human body by electromagnetic energy. The test to confirm this is done on a phantom of a human robot with a measuring system called DASY, Dosimetric Assessment System.

The entire regulatory assessment for the bio-compatibility of electronic devices with the human body is based on how a robot heats up when exposed to a frequency range. The FDA does not judge biological effects from cell phones unless a problem arises.



Doctors and reputable scientist feel we seem to have a problem, so what could possibly be wrong with this picture?

More and more doctors are seeing issues with cell phones that are concerning them and some are concerned cell phones are leading to impotence, cancer, dizziness, loss of memory, loss of balance, Parkinson's, Alzheimer, Leukemia, Tinnitus (ringing in the ear), headaches, and brain tumors.

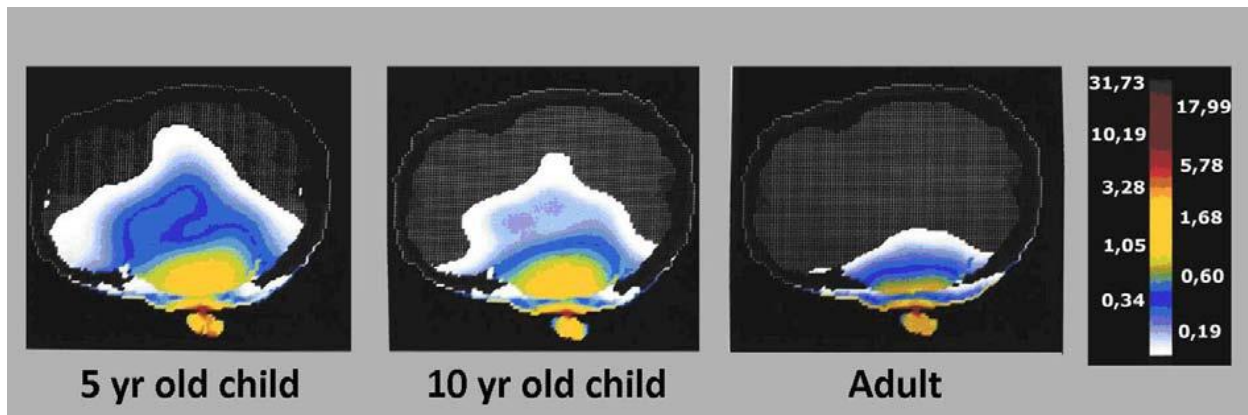
Dr. Joseph Mercola, www.mercola.com does a good job of keeping up with new research on cell issues and has a book out next year on the subject. He states, "The modulated information carrying radio waves resonate in biological frequencies of a few to a few hundred cycles per second, and can stimulate your vibrational cellular receptors, causing a cascade of pathological consequences that can culminate in fatigue, anxiety and ultimately cancer."

He further states, "Your cells will interpret even a minute amount of cell phone radiation as a threat, and will shut down many vital processes. This is a response intended to protect them, but when you talk on a cell this last for far longer than your body can handle."

Neurologist are finding tumors in the area of the brain where cell phones are used and some have appeared on television and stated they do not put cell phones up to their heads. The point becomes that if the doctors that have to deal with brain tumor issues are choosing to not put a cell to their heads, that the regulators and cell phone companies are saying are safe, has to lead to concern for how biocompatibility is being determined.

Here is the result of a recent paper from USAToday on [Cancer institute warns of cellphone risks](#). This subject with a large board of international experts warning of potential dangers from cell phones is compelling. Their paper begins with this statement, "Electromagnetic fields generated by cell phones should be considered a potential human health risk. Sufficient time has not elapsed in order for us to have conclusive data on the biological effects of cell phones and other cordless phones."

Fields from cell phones are estimated to penetrate the brain, especially in children.



Estimation of the penetration of electromagnetic radiation from a cell phone based on age (Frequency GSM 900 Mhz) (Scale on the right shows the Specific Absorption Rate at different depths in W/kg).

The report further states, living tissue is vulnerable to electromagnetic fields within the frequency bands used by cell phones (from 800 to 2200 MHz) even below the threshold of power imposed by most safety standards (1.6 W/Kg for 1 g of tissue), notably an increase in the permeability of the blood-brain barrier and an increased synthesis of stress proteins.

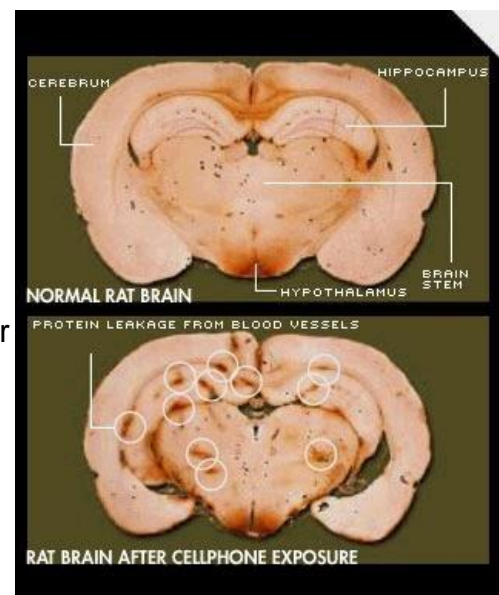
A study published in the [June 2003 issue of Environmental Health Perspectives](#) was also the first of its kind; showing that EMF's emitted by certain mobile phones damage neurons in the brains of rats.

The cross-section on top shows the healthy brain of a control sample rat.

The bottom picture gives a clear visual of how a two-hour dose of GSM cell phone radiation, in varying intensities, impacted a test rat. The dark patches are proteins that leaked through the blood-brain barrier, causing significant neuronal damage in the cortex, hippocampus, and basal ganglia.

They used 12- to 26-week-old rats in this study because their developmental age is comparable to that of human teenagers, who are some of the heaviest users of mobile phones. Said the study authors:

"The situation of the growing brain might deserve special concern, since biological and maturational processes are particularly vulnerable. We cannot exclude that after some decades of often daily use, a whole generation of users may suffer negative effects as early as middle age."



[Toronto's Department of Public Health is now advising teenagers and young children to limit their use of cell phones](#), to avoid potential health risks. Toronto's department of public health has also advised teenagers and young children to limit their use of cell phones, in order to avoid potential health risks. Officials have warned that because of the possible side effects from radio frequency radiation, children under eight should only use a cell phone in emergencies, and teenagers should limit calls to less than 10 minutes.

[Mobile Phones and Brain Tumors](#), February 2008, is a research paper by noted brain cancer authority [Dr. Vini Gautam Khurana](#), who is an Australian. He has also recently voiced his concerns in this very detailed report. He is a Mayo Clinic-trained neurosurgeon with an advanced neurosurgery Fellowship in cerebral vascular and tumor microsurgery who filed his report after 14 months of independent research, reviewing more than 100 sources of recent medical and scientific literature.

Remember this statement, *The American Academy of Pediatrics doesn't have an official stance on kids' cell phone use, Fisher tells WebMD. "We're not seeing any increased risk, not seeing any association; we're not seeing any new tumors; we're not seeing any changes in tumor patterns" in the research, Fisher says.*

The pattern of research appears to all be coming from outside the United States. Doctors appearing on television appear to generally refute there is an issue with cell phone use, with the exception of a recent interview on CNN with 3 neurosurgeons, [If Brain Surgeons Only Use Their Cells on Speaker](#), who only use cell phones with the speaker phone option and do not put them to their ears.

The reason the US is apparently behind much of the rest of the world in understanding the potential danger of wireless communication is that traditional medicine doctors in the US have little or no training in energy (complementary) medicine, while the rest of the world seem to understand how the body relates to its environment outside treating symptoms with drugs.

Doctors in the US that have branched out have had to train themselves in energy medicine as this modality is not part of the curriculum in medical schools. Outspoken doctors that have trained themselves and understand the need for energy medicine are Dr. Mehmet Oz, who has made the following public statement, *"We begin to realize that the next big frontier...in medicine is energy medicine."* In addition, Dr. Joseph Mercola, www.mercola.com is a rich source of *information on complementary medicine and new research on wireless communication issues.*

A further example is that Holographic Communication Technology was presented in Sol Paulo, Brazil at a large Orthomolecular Conference, in June 2008 at the invitation of [Dr. Efrain Olszewer MD](#), who specialized in internal medicine, cardiology, and complementary medicine and who has published dozens of articles and authored some 42 books in medicine.

The doctors in attendance at the Orthomolecular Conference understood energy medicine and all appeared to use complementary medicine in conjunction with traditional medicine in their practices. Real time testing conducted with the conference doctors showing holographic testing, with before and after test on cell phones, resulted in 100% of the test being conclusive based on the monitoring equipment used in the test. The test showed that programmed holograms immediately restored their body's biocoherence when placed on their cell phones.

Doctors are trained in complementary medicine in South America, Canada, Europe, India, Asia, Australia, Japan and other areas filing reports on wireless communication concerns, which likely explains why the US lags in understanding the issues.

Extensive testing in holographic resonance has led to important results that could reconcile the difference in what scientist and doctors are concerned about while showing what additional information should be considered by regulators who have a desire to protect the biocompatibility and health of its citizens.

What is the precedent for using holograms in mitigating the potential problem.

Programmed holographic disc testing shows significant response in restoring biocompatibility in on-going demonstrations of positive interactions with the biofield (Rubik 2002) and Bionetic Harmonics (Woolley 1994), when placed on devices in close proximity to, or on the skin of the human body. In specific, the use of Programmed Holographic Disc will be discussed in conjunction with mitigating the adverse and noxious affects of electronic devices, such as cell phones, on the human body's cellular communication and balance system.

Monitoring with SpectraVision and BioExplorer software shows 'instantaneous effect' created by a multi-plexed holographic layering process. These holographic bioinformation discs impact not only increase biofield resonance as reflected in positive changes in the Bionetic spectral analysis of the connective tissue matrix, but the holographic discs have a direct impact on the biocoherence of the micro-flux spectral zones that feed the endocrine system, (Biocoherence Woolley 2004). The biocoherence influence has been effectively demonstrated in vitro, which further supports the Holographic Nature of Man as proposed by (Pibram) and the Holographic Universe (Bohm).

Holographic discs creating instantaneous and positive changes to the biofield, bionetic, and bioelectrical aspects of the body, suggests a wide variety of applications in the field of subtle and energetic therapeutic approaches as we enter into the vast world of the epigenetic informational influence on DNA. Subtle energy and biofield therapies are emerging as solid constructs supporting the bioregulation of the human body found in

biofield interactions, which have positive impact on the regulation, control, and influences in homeostasis.

Complex Science/Holographic Information

Complexity science now is emerging with many answers that propose uniquely stable and scientific premises leading to a new type of understanding. As a result, true scientists must now look at unique research which holds the potential keys to unlock many mysteries.

Some of those isolated and unnoticed scientists have discovered parts of a unique puzzle that now open the doors for a new type of science which supports the following premises:

- Holographic Information is in all parts of the cell, cell membrane, organs, glands, and tissues. (Bohm)
- Holographic Memory is instantaneous and non-localized. (Pibram)
- Holographic information can interface with QED Fields.
- Holograms are Light Driven.
- Holographic Information can have a direct tie to the Pineal and Endocrine system.
- Holographic Information can interface with the vortex functions of cellular biology.
- Holographic Information interfaces with the body/mind.

Due to the nature of holographic imprinting, its 'non-local' nature allows information not only to travel through the connective tissue instantly, but confluent aspects include all modes of biointerface applicable to the biofield such as: meridians, chakras, bioelectromagnetic resonance, bioinformation, harmonic waves, and photometric data.

Holograms can carry deep within their imbedded layers hundreds of thousands of bits of information created by the use of sound, light, color, bioinformation, laser light, geometric shapes and symbols, and frequencies that support many and communicate specific and significant processes within the human body.

Beyond biofield imprinting, the vortex aspect of holograms has a deep-reaching capacity to bring the body into a holographic harmonic resonance at a cellular level. Cells can instantaneously 'get the message' which augments the cellular activities. As cells 'come in line' they build a cellular tensegrity (Ingber 2002) of the connective tissues increasing the capacity for all parts of the body to get the messages.

It is further posited that continued or ongoing holographic imprinting aids in increasing base harmonic resonance and may lengthen DNA telomeres. Those studying biofield

resonance and DNA telomere believe that subtle energy influences to the DNA may activate such deep level changes in the physical body that imprinting at the biocellular level may be biocorrective in the deepest cellular matrix for up to one or two years post therapy.

Because the Hologram is photometric in nature and the active light source created through the reflective nature of the surface of the hologram is able to broadcast information quickly, the hologram can easily interact with the pineal gland and transfer data up (afferent information) to the nervous system through the nervus pinealis (Moller 1978) via the pineal stalk.

Information can further be transferred back down (efferent information) through the nervous system via hypothalamus and limbic action. It is further believed that biophotometric information from the pineal gland is aided by synaptic contacts with pinealocytes. Additionally, hypothalamic neuropeptides and monoamines might be contained in the central fibers descending from the pineal stalk which can also participate in this biophotometric information conversion to biochemical activity.

Specific Measuring Equipment

The advantage of the types of measurement devices which are currently available can demonstrate instantaneous changes in the corporal body created by holographic discs in-vivo, via muscle testing and with the aid of the SpectralVision Biocoherence test. Also, sustained changes (increased zeta-potential) in platelets agglomeration is markedly reduced in-vitro analysis through the use of dark field microscopy.

Those studying bioinformation and subtle energies further posit that an organism that is less healthy has a less than optimum bioorganizational aspect or nature, which is directly seen as imbalances within the meridian system of the body. The Chinese Model of Medicine Traditional Chinese Medicine (TCM) teaches that all physical illness are created by an underlying energetic imbalance in the energetic systems of the body—yin and yang organs, and the five cycles or elements of the body.

These concepts of TCM are also rich with examples of the holographic nature of man. In fact, TCM believes that underlying the physical are mental, emotional, and energetic aspects of the patient which must all be in harmonious balance otherwise, if left out of balance, in time, the person can become sick.

From a TCM perspective, any imbalance in the biofield, left uncorrected can therefore become a cause of disharmony that will have some sort of manifestation within the body. **We are seeing consistent distortions of harmony in the biofield due to the influence of unnatural frequencies produced by cell phones and other convenience devices which will be explained and shown in this abstract.**

Long term denial of imbalances in emotions, or mental burdens can increase stresses within the organism. These stresses impinge the data pathways or meridians and can cause an impediment to the 'flow' of energy.

According to Nobel Lauriat Ilya Prigogine, (1977 Theory of Dissipative Structures) "Blocked flow of energy is a cause of disease. Hans Selye, the father of stress research (1947) verified that under prolonged stress, some quantitative substance much like a type of resiliency was notably gone just prior to death or illness. This quantitative substance is believed to be the vital force or élan vital of the body.

Many Eastern philosophers have stated that the élan vital or prana or Qi, otherwise known as life-force has a holographic nature – (all of it is in every bit of it). Because Hans Selye found that when this mystical substance ran out of the body, so did its vitality and life.

It is believed that holographic information is directed through this élan vital energy system and that the holograms increase the quality and vibrancy of this core energy system. Preliminary tests have effectively demonstrated positive changes in the meridian channels by the use of the holographic discs.

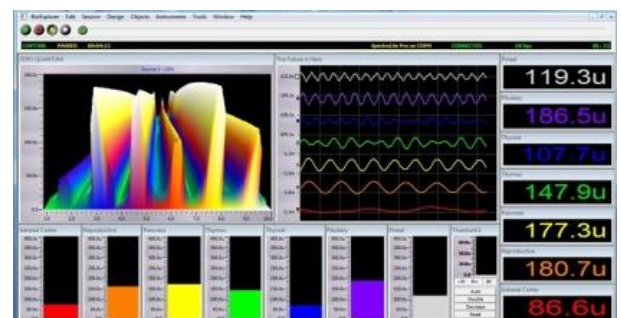
Never before has the ubiquitous nature of science's ever penetrating look into nature been so baffled by quantifying holometric data and its instantaneous affects on the human body. Not only is this phenomenon stranger than we think it is but is stranger than we can think! And, yet, holograms and laser imprinted data are part and parcel of our everyday lives, no one has ever thought to augment the biofield with holographic data—until now.

We have, therefore, concentrated on bio-coherence improvement in the body as the way to mitigate the affect of the cell and WiFi signals in specific, and electro pollution in general. We are taking into account other areas we will discuss that are not being considered by any other company we are aware of. The goal here is to find ways to use convenience electronic devices with the least adverse affect on the body possible.

What areas should we be looking at that could provide a clearer picture as to potential harmful effects of cell phones and other electronic devices to determine how to safely operate the devices?

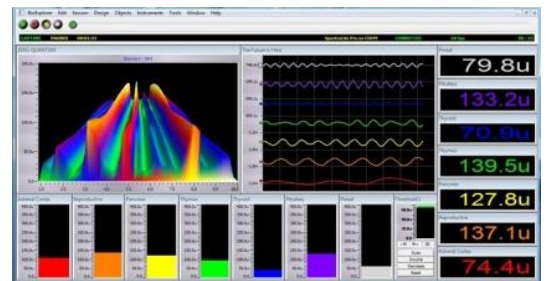
Bio-Coherence testing.

Using Spectralite software, shown here as a baseline, in conjunction with Bio Explorer, which is used by research scientist all over the world, we see the body taken out of bio-coherence by cell

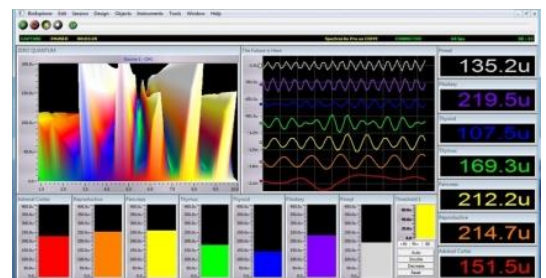


phones every time. These tests are repeatable and fulfill the requirements of scientific research.

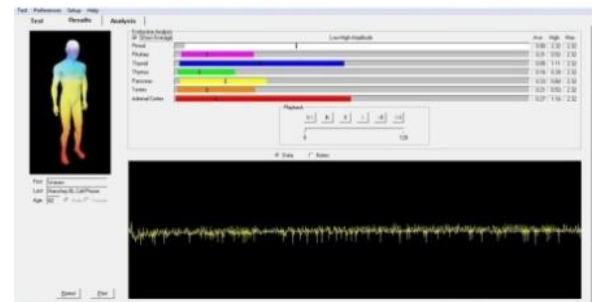
If the frequency range is set in the 0 to 10 hertz range (the natural range of the body operating in the wave guide) and the body is in balance, then a cell phone is put on the body and the body goes out of balance, pictures shown here, then there is a quantifiable problem. Frequency distortion can be viewed from several perspectives with this software that can be programmed in many different ways.



If a programmed Holographic disc is placed on the phone, as shown on the picture here, the phone is placed back on the body and the body goes back into balance, there is obviously a change for the good going on and again this is repeatable every time. Note on this graph the energetic and balance of the body was better with the holographic disc on the cell phone than the natural body to start with.

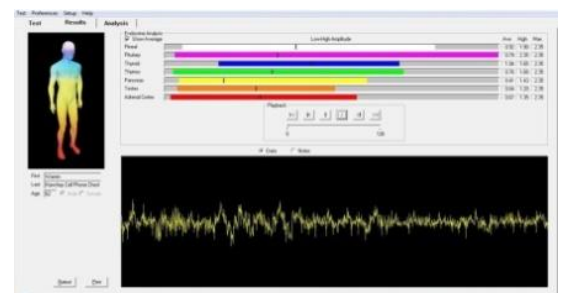


Here is a look at the pituitary in relation to the affect of a cell phone. Baseline picture to the right.

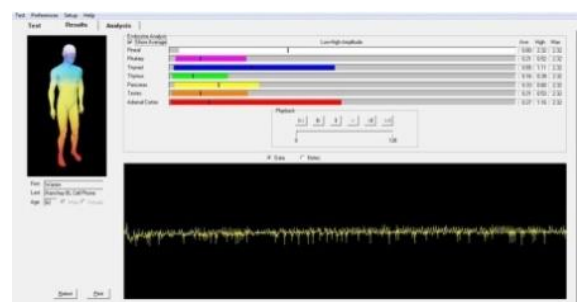


The pituitary is purple and the second horizontal line from the top on the chart. This picture is the balanced position of the body without a cell phone in the body's biofield.

Note when the cell phone goes on the body in this picture to the right the pituitary goes hyper with the purple bar extension to the right side of the graph. Also note the amplitude of the heart beat shown in the black area increases. The body responds to any substance instantly and we can reflect this response with Spectralite software and judge the changes.



When the holographic disc goes on the phone the pituitary settles back down to where it was on the baseline. This can be demonstrated every time and demonstrates the change in biocoherence of



the body when exposed to artificial signals from cell phones. Also note the heart beat in the black area has calmed back down to the original heart rate in the baseline and this happened instantly with the holographic disc on the phone.

The body knows instantly whether something is good or bad by the way the energy fields and heart react and this equipment can test supplements, colors, patterns of geometry, numbers, sounds, light, or basically anything that goes in the body's energy field to see the reaction. This software is used extensively in programming holograms and testing the results in real time on subjects to see the reactions.

Everyone will have medical issues unless devices are created based on environmental compatibility of the natural magnetic field we are living in. Our researchers believe we are seeing this out of balance situation hitting everyone now. There are many more ways of looking at this and the regulators are not taking bio-acoustics, bio-coherence, psycho-acoustics or brain wave entrainment into consideration in measuring the affect of the cell phone. **"The information we have is not what we need"** is clearly evident.

What does Konstantin have to say on this issue?

Professor Konstantin Meyl is one of the top physicists in the world and has numerous publications that can be reviewed on the internet. In particular Konstantin has published a book called *Scalar Waves*, Edition 2003, which deals with Electromagnetic Environmental Compatibility and presents a number of areas that may reconcile why we seem to be having an issue that is not showing up with just ***a heat sensor on a robot***.

Furthermore, Professor Meyl has consulted with ZeroQuantum in regards to scalar waves and use of scalar imprinting on holograms and the use of equipment designed by Professor Meyl in research and manufacturing. Professor Meyl's theories can be demonstrated and will be presented here.

Professor Meyl feels that vortexes of the electric field, potential vortices, have properties to show biological effects even at the lowest field strengths. "In any case it is not possible to exclude that at present the wrong physical phenomena are measured and made responsible."

In Professor Meyl's view, "it should be guaranteed that the operation of electro technical apparatus causes neither health damage nor unintentional influence or irritation" and this seems to be far from the case now in regards to cell phones and WiFi.

1.2 Wireless telephones. *Scalar Waves*, Edition 2003, page 5.

Electro physics bases on two phenomena in connection with electro-smog: On the one hand the radiation and on the other hand the thermal affect, but with a close look both factors prove to be of only little importance!

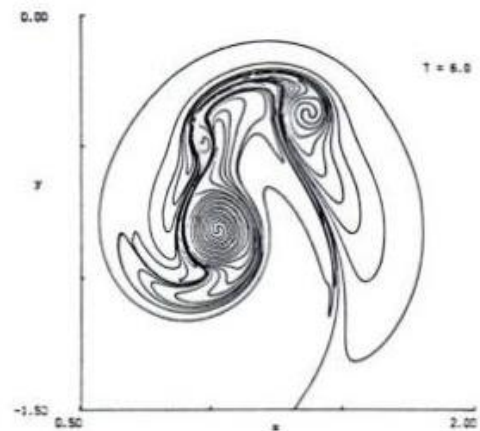
We have looked at the affect of cell signals on the head with thermal imaging at the HealthWalk research center and found consistent result. HealthWalk uses the most advance thermal imaging equipment coordinated by Duke University and the Duke doctors have advised us on the results of the scans.

The heating up of the head not only occurs on the side of the head the cell phone is held on but also on the opposite side of the head. The opposite side of the head, however, does not heat up to the degree of the side with the cell phone, which is directly exposure. ***The signals are clearly passing through the head so why is the heating not the same. The answer to that we will leave to Professor Meyl as follows.***

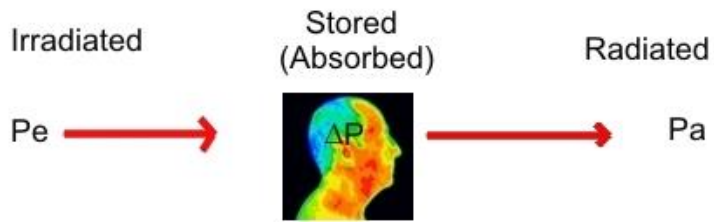
1.3 Absorption of waves.

A third factor is developed in Scalar Waves, the vortex of the electric field, the so called potential vortex. A vortex is to be considered as an oscillation around a fixed point. Through that a permanent overlap is caused, like what happens at an antenna only that the vortex is not bound to the dimension of an antenna. The potential vortex is contracting and in this way reaches extremely high energy densities at very little spatial measurements, densities that lie far above those that field strength measurements are pretending to us.

When you take the handy (cell phone) at hand with which you ***blow the pulsed microwaves into your head***, don't worry, because with the speed of light and without provable damage almost everything comes out again on the other side, but only ***almost*** everything. ***A little damping of the wave has taken place and your head has absorbed this part of the irradiated wave.*** Here there are found merely two dual vortex phenomena as a possible *damping term*: the eddy current and the potential vortex. An eddy current damping is ruled out because of the bad conductivity of the head, but this favors the dual anti-vortex, the potential vortex.



Seen physically the following is taking place in your head: the absorbed waves roll themselves up to vortices and through this become localized and overlap themselves permanently. In the course of time the vortices decay and produce the well-known



Local fever: $\Delta \theta = f(\Delta P)$
 Absorbed power: $\Delta P = P_e - P_a$
 Effectiveness: $n = P_a/P_e$

Damping of waves and ability to absorb of a body (our head) if we are making a cell phone call.
 K. Meyl: Scalar Waves 2003.

eddy losses that lead to the measurable increase in temperature. **When reactions of biological effects arise simply and solely the vortex can be considered as the possible cause.** Thereby play two points an important role: the number of the generated vortices and their lifetime that is determined by the time of decay.

In anticipation of the mathematical calculations of the potential vortices it is pointed out here that these are favored not only by the low conductivity, but also by a high dielectricity. Because water has an unusual high dielectricity ($\epsilon_r=80$) and our head consists predominantly of water doubts in dealing with handy's (cell phones) are reasonable.

We must proceed from the assumption that both the number of the vortices generated and their lifetime, that is all at a fixed point in time in our head existing and effective vortices, can be a cause and therefore need to be considered and investigated scientifically.

1.4 Overlap effect.

Only in space localized and permanently overlapping field appearances can be considered as a cause for biological effects. This can concern an over an antenna standing wave (a) or a vortex (b) which is to be taken as localized by nature. It would be allowed to in general speak only of a vortex because the standing wave can by all means be understood as a special case of the vortex. The essential difference is that the vortexes is not bound to the size of a fixed antenna and can contract itself at any time to achieve in this way a substantial higher energy density. As a result this then



will lead to an increased biological effectiveness.

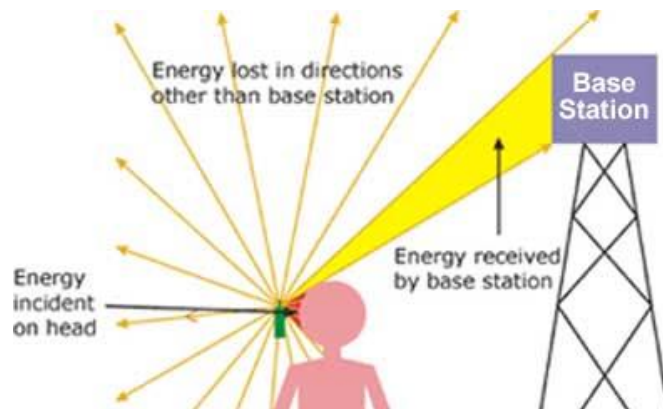
In the discussion about limits without exception the absolute field strength of the broadcasting signal is valued and not the type of modulation. Totally different is the case with a vortex that acts *damping*. **Such a vortex shows near its centre a considerable smaller wavelength than more to the outside and through that it is a big frequency bandwidth.** It is to be expected that in the extremely broadband pulsed signals of the digital networks the creation of vortices or eddies will be favored considerably stronger than in amplitude or frequency modulated signals (AM, FM, C-network). In connection with analog modulated radio or handy signals until now there never has been reported of any synchronization of the brain currents with handy-signals for a comparison of the EEG with the broadcasting signal. **These are some good reasons that the vortex is a dominating influential factor for EMC problems.**

2.12 Protection against artificial fields.

Artificial fields more or less always occur in the neighborhood of electric apparatus and installations.

Especially problematic are those that work with the free radiation of electromagnetic fields that is all the radio broadcasting stations, handheld and radar transmitters.

The towers should be situated at least 3 km remote from inhabited areas. This is clearly not the case in urban areas any more as can be shown on this website <http://www.antennasearch.com/>. Put in an address and numerous antennas for cell and wireless signals within less than 3 km of your address will be shown.



This simply means you are being influenced by frequencies from cells and WiFi from the roughly 2 million towers in the US far more than is reasonable and healthy. Your body needs time to recover from the bombardment of signals and gets no rest.

Sometimes also fairly simple possibilities are helpful like the usage of a remote control. By clearing away the cable salad at the workplace and at the sleeping place induction loops can be removed. Alarm clocks operated by batteries should have preference over those operated by the network. Mattresses with metal in them and spring beds, which clearly act as an antenna should be avoided.

In the case of network supply lines a choking coil can help decrease the spreading of high frequency interference radiation. It is especially important that all the conducting metallic objects like water pipes, heating's. Steel racks, machines, switching racks, steel armaments and metallic windows should be grounded properly, because otherwise extremely high static charges could result instead of a shielding. Construction biologist recommend to, when possible, do without metal when building houses and furnishing, what of course is only realizable with limitation.

In the case of the handy (cell phone) it now is clear to that the usage of the build-in microwave antenna of a handy is problematic. In the interior of an automobile it never should be used. If, however, one uses the antenna installed on the outside on the sheet metal then the damping and screening effect of the sheet metal chassis is advantageous at least for the handy user.

Precautions to take in using convenience devices

1. Do not allow children to use a cell phone except in emergencies.
2. Use the speaker on the cell phone as much as possible and keep the cell phone as far away from your body as possible. The further away the weaker the amplitude of the electromagnetic field.
3. If you need an ear piece use the hollow core tube type and still keep the cell phone as far away from your body as possible.
4. Never carry the cell phone in your shirt pocket or pants pocket. If you have the cell on your body keep the back of the phone pointed away from your body so the transmitted waves are going away from your body.
5. Keep calls short as the duration of the call increases the exposure. Land lines are fine to use and house mobile phones are worse and are on all the times at a high transmission rate of 6Ghz on new phones. Turn off home mobile phones at night.
6. Avoid using your cell phone when the signal is weak or when moving at high speeds (cars, trains, planes) as this automatically increases power to a maximum as the phone repeatedly attempts to connect to a new relay antenna.
7. Switch to texting as much as possible.
8. Exposure of your wrist on a lap top computer is also extreme when typing. Those laptops tested put out 100 milligauss of charge, which is in the extreme range, into your pericardium and heart channel during typing.
9. Turn off wireless routers at night as they are continuously looking for signals.
10. Turn off all lights in the bedroom and keep as far away from the bed any appliances as they are emitting radiation even when off including your receptacles, switches and lamps. Even the diode on your television, radios and tape decks are disrupting your sleep. Be sure and also ground your bed if you

have a box spring which will pull frequencies into your body all night. Your body has to be given time to recuperate and heal from the damage each day.

11. Use holographic disc programmed to counter balance the noxious part of the signals in protecting the bodies biocoherence is an absolute must.

More Physics concerning the action of electrons in signal propagation and how holography is involved in the process.

Wave Structure and Instantaneous Action

The origins of the natural laws from the Wave Structure of Matter are relatively new topics in science. The world was turned on its ear with the announcement about the communication of electrons beyond any distance. This work, along with other work discusses certain forces and events being transmitted instantaneously. These events are the transmission of **energy and information** which are related to the gravitational force, the magnetic force, inertial force and relatively new phenomena termed “The EPR Effect” (Einstein, Podolsky and Rosen) and the Mossbauer Effect. This began the labyrinth of learning which has lead physics from science to metascience and from physical to spiritual. No matter how we slice the human being, the only solution is that energetic influences or subtle energies have a significant relationship to the human organism and everything in nature communicates in a holographic manner.

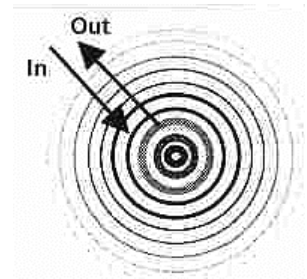
The Three Principles of the Quantum Wave Medium. Milo Wolff does an excellent job of explaining this on his www.quantummatter.com website and excerpts will be used here in regards to how his information pertains to biocompatibility. Convenience devices emit frequencies of energy and information so understanding the latest physics is imperative.

1. The form of the quantum waves which propagate in the quantum wave medium. The following wave equation from Wolff determines the form and character of waves propagating in the quantum wave medium:
$$\text{Del}_2(\text{AMP}) - [1/c^2] d_2^2(\text{AMP})/dt^2 = 0$$
Where Del is the differential operator, AMP is a scalar quantum wave amplitude and c is the wave velocity. The solutions of this equation are spherical waves whose centers are the measured location of particles. The waves extend everywhere, but energy exchanges appear as if there was a point of charge.
2. Structure of the Electron. An electron is a quantum wave structure as shown in the following picture, whose spherical waves travel with fixed velocity c in the quantum wave medium. Its nominal location is the spherical center. The electron is composed of two solutions of the Medium Wave Equation: an inward and an outward spherical quantum wave traveling at light speed, c.

$$\text{AMP}(\text{electron}) = \text{AMP}_{\text{IN}} + \text{AMP}_{\text{OUT}} = (1/r)\text{AMP}_0 e(i\omega t + ikr) + (1/r) \text{AMP}_0 e(i\omega t - ikr) = \text{AMP}_0 e i\omega t \sin(kr)/r$$

The exponential factor is an oscillator of frequency ω and wave number k . The sine function modulates the oscillator with a standing wave of wavelength $2\pi/k$, the Compton wavelength of the electron. AMP_0 contains the numerical constants. The inward wave rotates phase at the center, reverses direction, and becomes the outward wave. The factor $1/r$ causes the wave amplitude to decrease inversely as the radius increases. At $r \rightarrow 0$, the amplitude of the separate waves is infinite. But when the two solutions are combined the opposite signed infinities cancel and a finite standing wave results.

In the figure, Electron Structure. The IN and OUT waves combine to form a standing wave. The amplitude of the continuous quantum waves is a scalar number, not an electromagnetic vector. At the high density center, the standing wave amplitude is finite, not infinite. At the center, the IN wave rotates 180 degrees converting it to an OUT wave. This fixed rotation creates the + or - quantum spin. It becomes an electron or positron, depending on the rotation direction.



Two hundred years ago Christian Huygens, a Dutch mathematician, found that if the spherical wavelets from multiple sources in a flat surface were examined at some distance away, the wavelets combined their separate amplitudes to create another larger wave-front. This plane wave is said to be a Huygens combination of the separate spherical wavelets.

Apply Huygens discovery to the single electron and consider each particle's waves as composed of the Huygens components of all other waves. The electron's IN wave is a Huygens combination of wavelets, formed from reflections of its own out-waves after encountering other particles in the universe. At each encounter, a signature of the initial particle is transferred to the out-waves of the other particles. **These outward wave signatures return as a response from the universe.** When the response waves arrive at the initial particle center, they form its in-wave. You can envision the entire structure of the electron as an enormous spherical standing wave, obscured in a sea of other waves. **The issue here becomes the un-natural man made waves from cell phones, WiFi towers, electric power lines, convenience devices and satellite signals beaming the earth and how the combination with these waves reacts with the human body. The out waves clearly pick up other waves and return to the particle center.**

Energy Exchange Mechanism of Particle Wave Structures. Energy transfers between quantum states in atoms and molecules are the fundamental basis of scientific measurements and knowledge. Calculations and thought processes cannot take place without energy transfers. Every measurement and observation is a transfer of energy between a quantum source and receiver. **Storage of information, whether on a computer disk or in our brain, always requires an energy transfer. Nature transfers information and energy holographically.**

Mechanism of Energy Transfer. An energy transfer usually occurs between two atomic or molecular quantum states, a source and a receiver. In the source, an energy shift occurs downward. In the receiver, an equal shift occurs upward. This equality is the origin of the conservation of energy. But before the shifts occur, the in/out quantum waves of source and receiver must exchange information to determine that the energy exchange is possible. The preliminary information exchange is accomplished by the in/out waves.

Frequency mixing of the in/out waves and information comparison can occur because wave propagation in the dense centers is non-linear. Mixing is similar to A-C signals flowing through a non-linear element, like a diode in an electronic circuit. **That is, if two signals are inputs, the output will contain the two signals plus the sum and difference frequencies of the two signals. If the frequency of one wave matches another, resonance occurs. An example is a tuned radio receiver.**

Minimum Amplitude Principle minimizes the total wave amplitude by moving the wave centers. For example, consider two identical electrons which have identical wave patterns. The two electrons will move apart (repulsion of like charges) in order to reduce the total wave amplitude. But if one of them is a positron with amplitude opposite to the electron, they move together (attraction). Then their amplitudes partly cancel, satisfying the MAP. If their opposite centers move together and coincide, they annihilate each other and their energy, $2mc^2$ is transferred to other particles.

Another example is the Pauli Exclusion Principle. In this case, MAP prevents two identical electron resonances (fermions) from occupying the same state because their total amplitude would be a maximum rather than a minimum. Also, electrons in atomic "shells" always take the pattern of the lowest level. Again we see the awesome conclusion that quantum waves establish and rule the universe.

Biochemical and bioelectrical interactions. There had been a significant amount of research regarding biochemical and bioelectrical interactions in the human body, but until biophysics entered the picture, science was left with the only hope of discovery of the human potential for health, happiness, and success hoping the answers could be found within the DNA.

Now that the DNA has been shown to be intricate enough to govern all body systems and it is known not to be the director of the body, epigenetic imprinting (Moore and Haig 1991) holds more promise. Also it is proposed that an aspect of the cell intelligence lies within the cellular membrane (Lipton 2006). The membrane potential is directed by the influence of the 'milieu' of the body which includes the 'information' that feeds the organism. Due to the DNA shortfall in its mapping complexity, proponents of DNA mapping are bereft.

Conclusion

[Intel cuts electric cords with wireless power systems](#). Yahoo News, August 21, 2008. Intel demonstrated a way to wirelessly transmit energy by resonance to a lamp at their firm's annual developer's forum in San Francisco. The key point stated by them was, "The trick with wireless power is not can you do it, it's can you do it safely and efficiently," Intel researcher Josh Smith said in an online video explaining the breakthrough.

"It turns out the human body is not affected by magnetic fields, it is affected by electric fields. So what we are doing is transmitting energy using the magnetic field not the electric field."

Two points of this article are researchers involved with this abstract have been transmitting energy like Intel is now doing for years and science is finally catching on that the exact points that are being made in this article that electromagnetic fields can have negative effects on the human body are finally coming to the forefront.