

TrueRife plasma systems put out an EM field along with the frequencies used during Rife Sessions. The following research on what scientist and researchers have discovered as regards EMF effects may be of interest in understanding how Rife systems not only target disease but may also be used if properly tuned to "normalize" the bodies systems.

Understanding EMF / The "FORCE" Behind Rife Frequency Transmissions

The discovery of millions of crystals in the cells of the brain suggests that the brain might be able to tune in (similar to a radio receiver) to the surrounding earth's emf, the crystals providing the vibratory link between the earth's emf and the alpha brain waves, resulting in the Schuman Resonance. The transmission of waves from the brain throughout the body – in possibly a similar way to transmission of radio waves from a radio tuned to a certain frequency – could help the body achieve its own particular resonant frequency thought to achieve, or be conducive to, optimal health.

Alpha is also the home of the window frequency known as Schuman Resonance, which is the vibrational frequency of the earth's electromagnetic field (emf). This means that the brain waves of a person in the alpha state will resonate in sympathy with the earth's emf producing constructive interference which amplifies the vibration.

The importance of existing in harmony with the earth's natural emf has been brought to our attention with the emergence of diseases attributed to magnetic field deficiency syndrome, such as many degenerative diseases, certain types of memory loss, or conditions.

Human beings, and all other living creatures, have their own electrical-magnetic energy balance. Since our first appearance on the planet, we have also encountered external emf's. The human body floats in a sea of magnetic fields – those of the earth, moon, sun and other galactic fields. The earth itself has an iron core that generates a halo of electromagnetic energy, reaching far beyond our atmosphere. All life on earth has adapted to and existed in this natural electromagnetic environment for thousands of years.

The body is full of magnetisable materials, such as iron in the hemoglobin of the blood. The bio magnetic fields of the body have been measured using SQUIDS (super-conducting quantum interference devices) and found to be 100,000 times weaker than the earth's fields.⁷ We are so dependent on the earth's fields that when we leave the planet for prolonged periods we suffer. Astronauts in space for long periods require artificial magnetic fields to maintain health.

A survey of the literature suggests that 'scalar' energy is the most appropriate description of healing energy up-to-date, as it allows for the fact that healing energy has been shown to be not part of the electromagnetic spectrum as we understand it. According to Robert Jacobs, scalar waves are capable of acting on living organisms at a sub-atomic level, and certain frequencies of scalar have been shown to destroy viruses and bacteria. The most efficient use of scalar waves appears to be when the body is exposed en masse to a sweeping range of beneficial frequencies, which enhances its own healthy resonance and helps to restore energetic order.

Understanding Electromagnetic Fields and Rife Technology

It should be noted that all Rife devices produce EMF to varying degrees.

The earth itself produces a constant EM field, which we are constantly exposed to. Many EMF researchers believe that the earth's polarized EM field has potential health benefits. EMF can create or destroy, protect or restore.

Yes EMF can do damage, but it can be directed as any form of energy to accomplish positive

things as well. Electrical current and voltage can both destroy or construct depending on the application. The same holds true with EMF.

When an electrical current flows an electromagnetic field forms around the conductor. The voltage and current flowing and the type of current flow (Ac, Dc, pulsating Dc, etc) determine the size and strength of the EM field. As well as the conductor through which the current is flowing. The size, shape and type of conductor make a big difference in the EM Field.

1. X-rays
2. Ultraviolet (UV) light
3. Visible light, infrared light (IR),
4. Microwaves (MW)
5. Radio-frequency radiation (RF)
6. Magnetic fields from electric power systems are all parts of the electromagnetic (EM) spectrum.

The parts of the electromagnetic spectrum are characterized by their frequency or wavelength. The frequency and wavelength are related, and as the frequency rises the wavelength gets shorter. The frequency is the rate at which the electromagnetic field goes through one complete oscillation (cycle) and is usually given in Hertz (Hz), where one Hz is one cycle per second.

Electromagnetic fields are what are said to hold the atoms of matter together (in atomic theory). It is the force holding electrons in orbit around the nucleus of atoms. It is possible to make an atom of something resonate with an EM field, or current. If you increase the power of the resonance enough, heat will be generated, and if the power is increased enough, atomic structure will break down.

The interaction of biological material with an electromagnetic source depends on the frequency of the source. We usually talk about the electromagnetic spectrum as though it produced waves of energy. However, sometimes-electromagnetic energy acts like particles rather than waves, particularly at high frequencies. The particle nature of electromagnetic energy is important because it is the energy per particle (or photons, as these particles are called) that determines what biological effects electromagnetic energy will have.

At the very high frequencies characteristic of UV and X-rays (less than 100 nanometers), electromagnetic particles (photons) have sufficient energy to break chemical bonds. This breaking of bonds is termed ionization, and this part of the electromagnetic spectrum is termed ionizing. The well-known biological effects of X-rays are associated with the ionization of molecules. At lower frequencies, such as those characteristic of visible light, radio-frequency radiation, and microwaves, the energy of a photon is very much below those needed to disrupt chemical bonds. This part of the electromagnetic spectrum is termed non-ionizing. Because non-ionizing electromagnetic energy cannot break chemical bonds there is no analogy between the biological effects of ionizing and non-ionizing electromagnetic energy.

Non-Ionizing EMF / Rife Output

Non-ionizing electromagnetic sources can produce biological effects. Many of the biological effects of ultraviolet (UV), visible, and infrared (IR) frequencies depend on the photon energy, but they involve electronic excitation rather than ionization, and do not occur at frequencies below that of infrared (IR) light (below 3×10^{11} Hz). Radio frequency and

microwaves sources can cause effects by inducing electric currents in tissues, which cause heating.

The efficiency with which a non-ionizing electromagnetic source can induce electric currents, and thus produce heating, depends on the frequency of the source, and the size and orientation of the object being heated.

At frequencies below that used for broadcast AM radio (about 10^6 Hz), electromagnetic sources couple poorly with the bodies of humans and animals, and thus are very inefficient at inducing electric currents and causing heating. (TrueRife bulb output is between 1-10000 Hz and is a non ionized energy field)

Thus in terms of potential biological effects the electromagnetic spectrum can be divided into four portions:

1. The ionizing radiation portion, where direct chemical damage can occur (X-rays, "vacuum" ultraviolet light).

The non-ionizing portion of the spectrum:

2. The optical radiation portion, where electron excitation can occur (ultraviolet light, visible light, infrared light).

3. The portion where the wavelength is smaller than the body and heating via induced currents can occur (microwaves and higher-frequency radio-frequency radiation).

4. The portion where the wavelength is much larger than the body and heating via induced currents seldom occurs (lower-frequency radio-frequency radiation, power frequency fields and static fields).

TrueRife System transmissions fall within a safe EMF level, are non-ionizing in nature, and are limited in both power as well as frequency output ranges so as not to produce destructive heat (as for example one would see with microwaves operating at 2.5-3.3ghz, the frequency to boil water).

It can also be seen that much higher-powered Rife EMF output could pose potential health risk. Those constantly seeking "more power" may actually be moving in the wrong direction. A clear understanding of EMF can give one the proper balance of both the possible dangers as well as potential benefits.

In Rife equipment, the frequencies and Electro-magnetic field is what does the work of killing, or altering living things, as well as altering none organic (none living) things. EM fields can change the way living things function, or stop their function altogether.