

# Non-Polarized Pulsed Magnetic Field of the PyraLight Pad

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[PyraLight.com](http://PyraLight.com)

## Abstract

The major cause of cellular damage from man made EMFs is now recognized to be due to radiative and not thermal effects. The vulnerable part of the cell are the Voltage Gated Calcium Channels, which are inappropriately turned on in the presence of sufficient voltage from the EMF signals. This only occurs in polarized EMF from house wiring, and directional wireless signals from sources such as WiFi, cell phone towers, as well as microwave signals from 5G antennas. Natural, non-polarized EMF do not cause this radiative damage to cells. The PyraLight pad is shown to be non-polarized and protective against artificial EMFs.

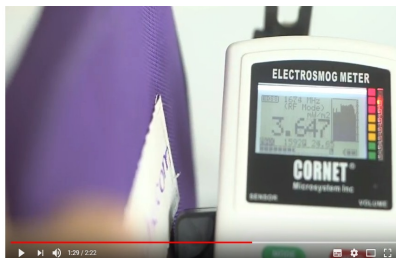
YouTube videos cited:

### PyraLight Magnetic Field Measurements



<http://youtu.be/QHk0BWThnXo>

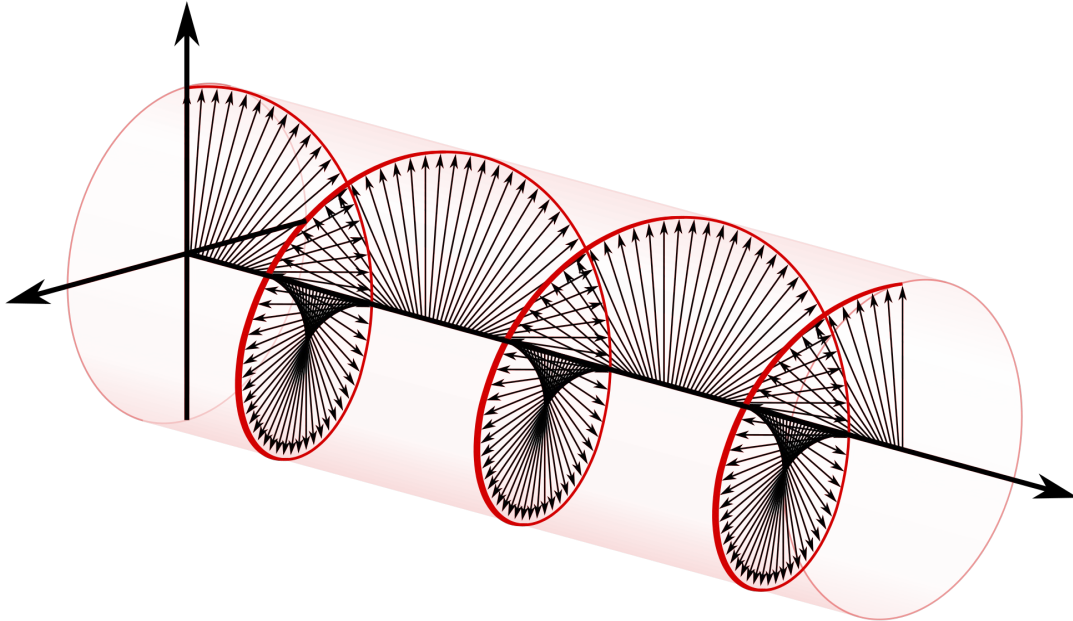
### EMF Protection Using PyraLight Pad



<http://youtu.be/hX9ua3vW8A8>

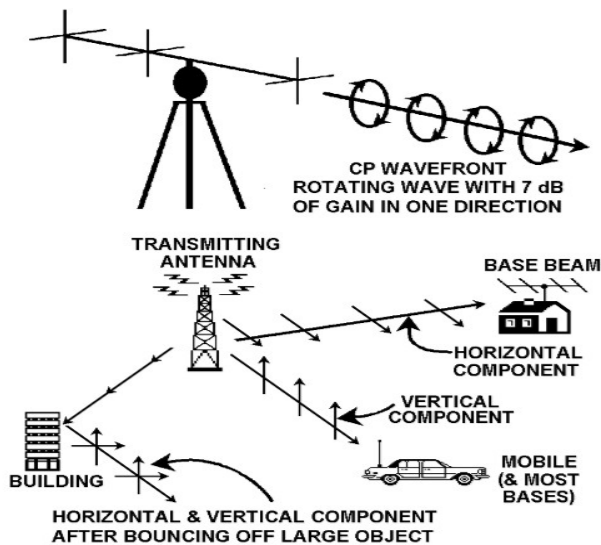
## Polarized EMFs

In order to propagate radio waves more efficiently, polarizing antennas are used. These cause a focusing of the direction of the radio wave, resulting in more of the transmission power being in the desired direction. The same effect of polarized EMFs occurs from house wiring, as the wires



run in one direction, causing EMFs to be propagated in a polarized form.

Propagation of cell tower signals, WiFi, and microwave signals for 5G rely on the signal being bounced off the walls of buildings. These directional radio waves are polarized and do not occur in nature.

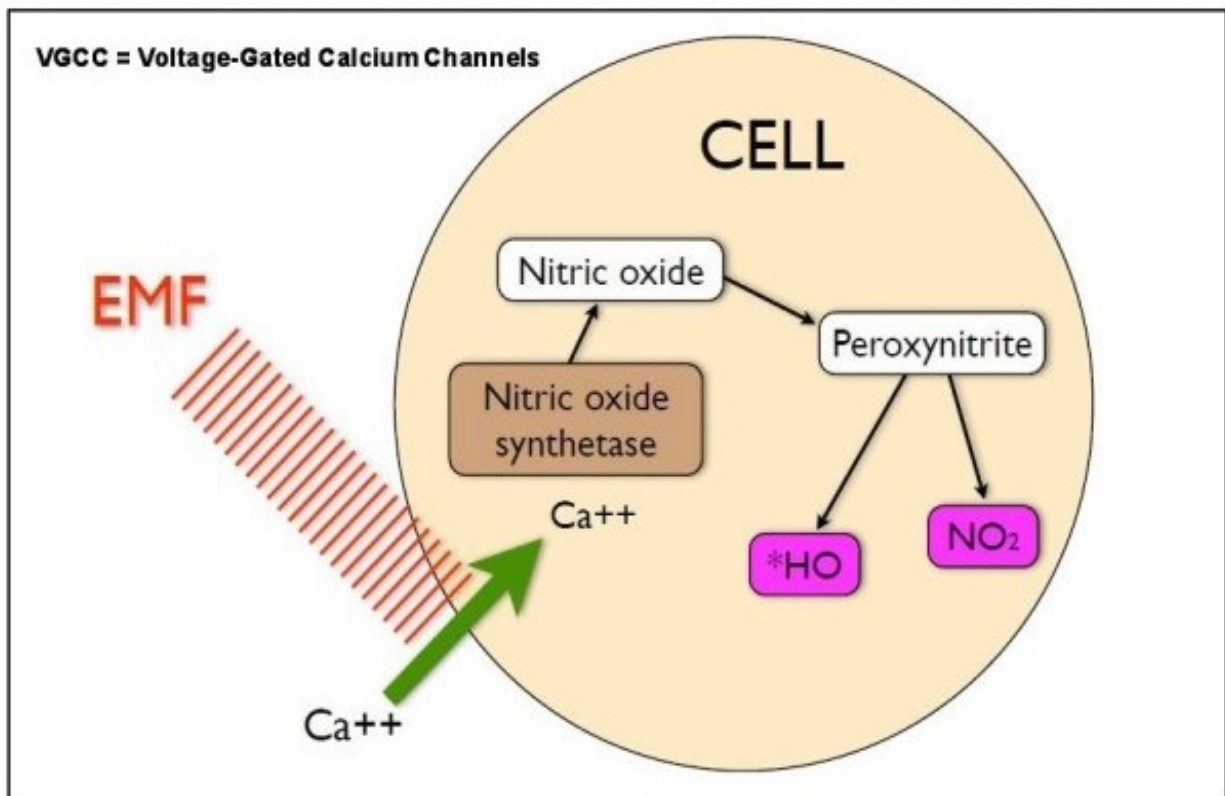


## Cell Voltage Gated Calcium Channel (VGCC) Effects

The cells in our bodies need to create and maintain a voltage across the cell membrane as part of the ADP-ATP cycle, which includes the fundamental proton pump of ATP synthase. The cell membrane has calcium channels which naturally open when an excitatory response is needed by the body, such as in muscular contraction and hormonal release. When the voltage potential is high enough, the extracellular  $\text{Ca}^{++}$  ions enter the cell through the open calcium channels. This is followed by bio-amplification of the order of 6 million times through a biochemical cascade inside the cell. An activating voltage on the cell membrane at the calcium channel therefore causes a very strong effect inside the cell, which can damage cell structures if it occurs too often. Reactive Oxidative Species (ROS) result from the opening of the VGCCs.

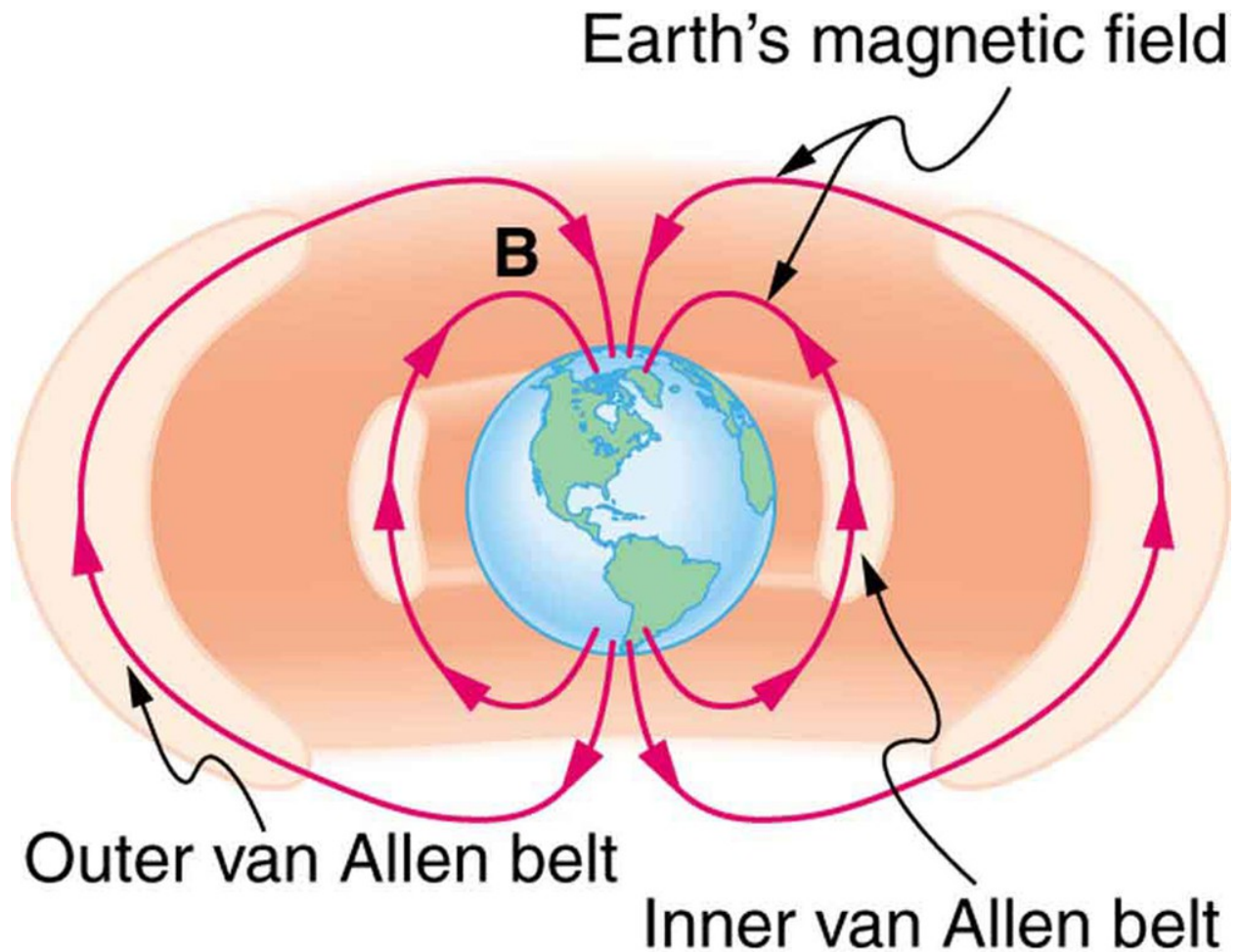
Artificial polarized radio waves set up the inappropriate activation of the VGCCs. This effect of man made EMFs is much more damaging to the cells than the minor thermal effects from mobile phones, and accumulates long term in its negative effects on health.

### EMF Activation of VGCCs Increases Free Radical Production



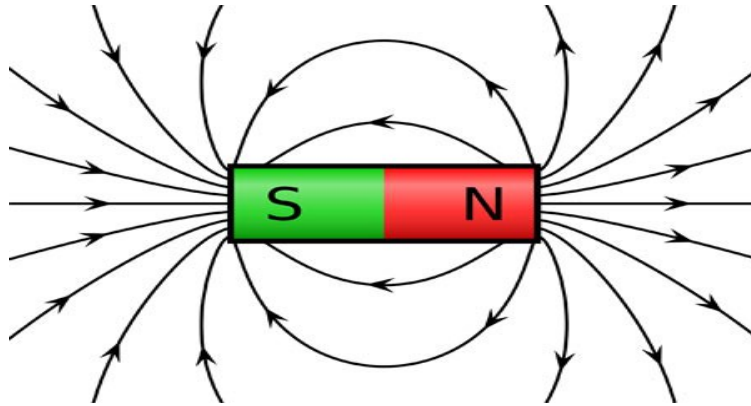
## Natural Non-Polarized Magnetic Fields

The earth is a spherical capacitor, with the van Allen Belt outside the ionosphere acting as the outer plate and the earth's surface acting as the inner plate. Lightning discharges, caused by buildup of charge in clouds, activates the natural oscillation of the capacitance of the earth. The fundamental frequency of oscillation is about 8hz, the Schumann resonance. This is a non-polarized pulsing magnetic field present everywhere on the earth's surface. In addition, the static magnetic flux flowing from the south pole of the earth to the north pole, is a non-polarized field to the cells of the body.

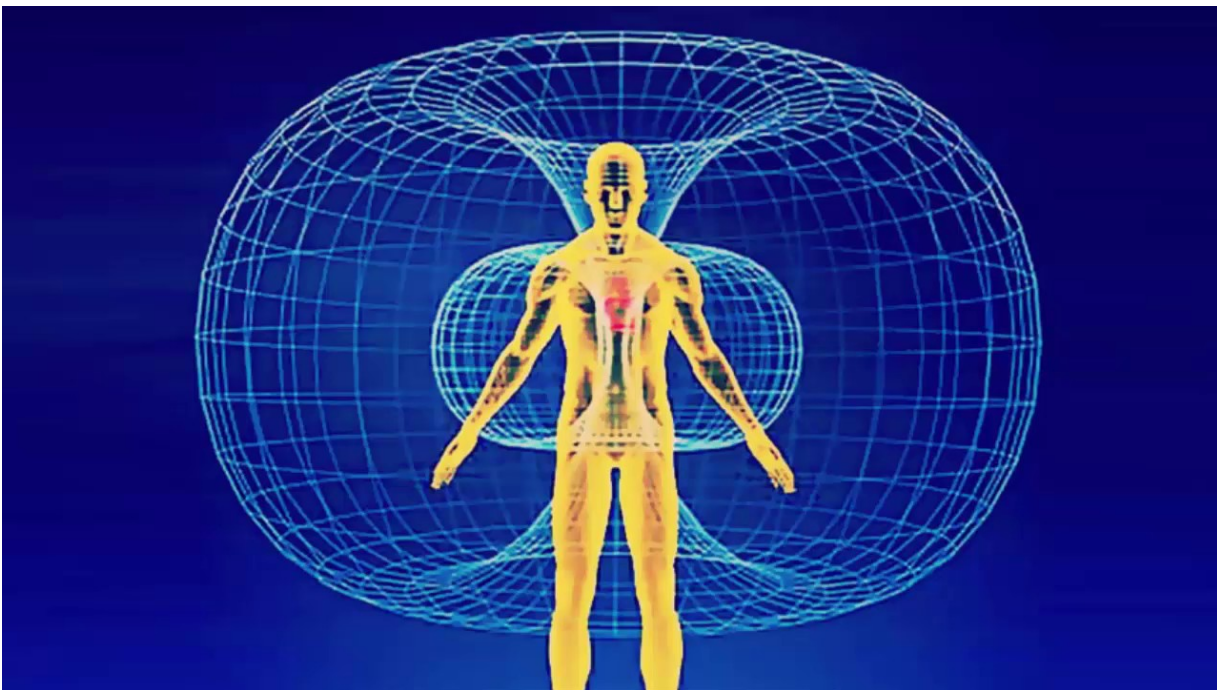




Another example of a non-polarized natural magnetic field is the well known magnetic field seen using iron filings around a magnet. The field propagates equally in three dimensions and so does not induce a potential difference at the cell's VGCC receptors if the magnet is placed close to the body.



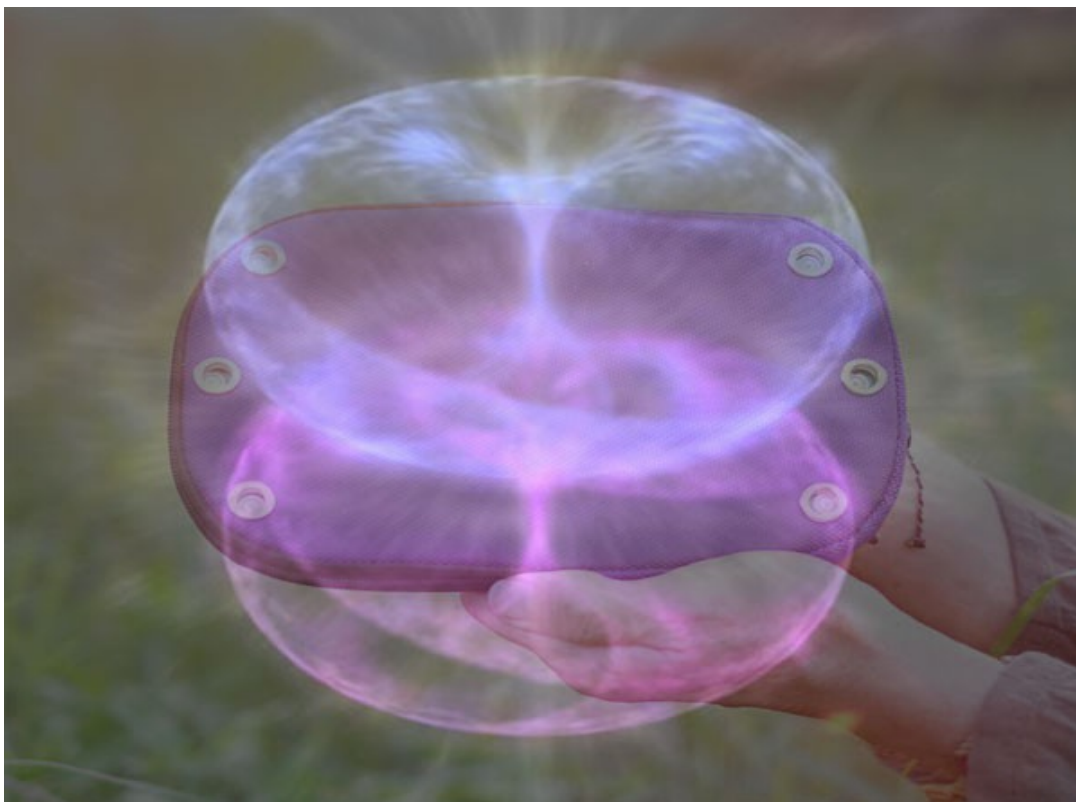
Similarly, the magnetic field generated by a human heart is symmetrical in three dimensions, and so is non-polarized. Laterally it is a torus, with the center plane and vertical pole (Tai Chi pole in Taoist theory, or Shushumna in Yogic science) centered in the heart chakra.

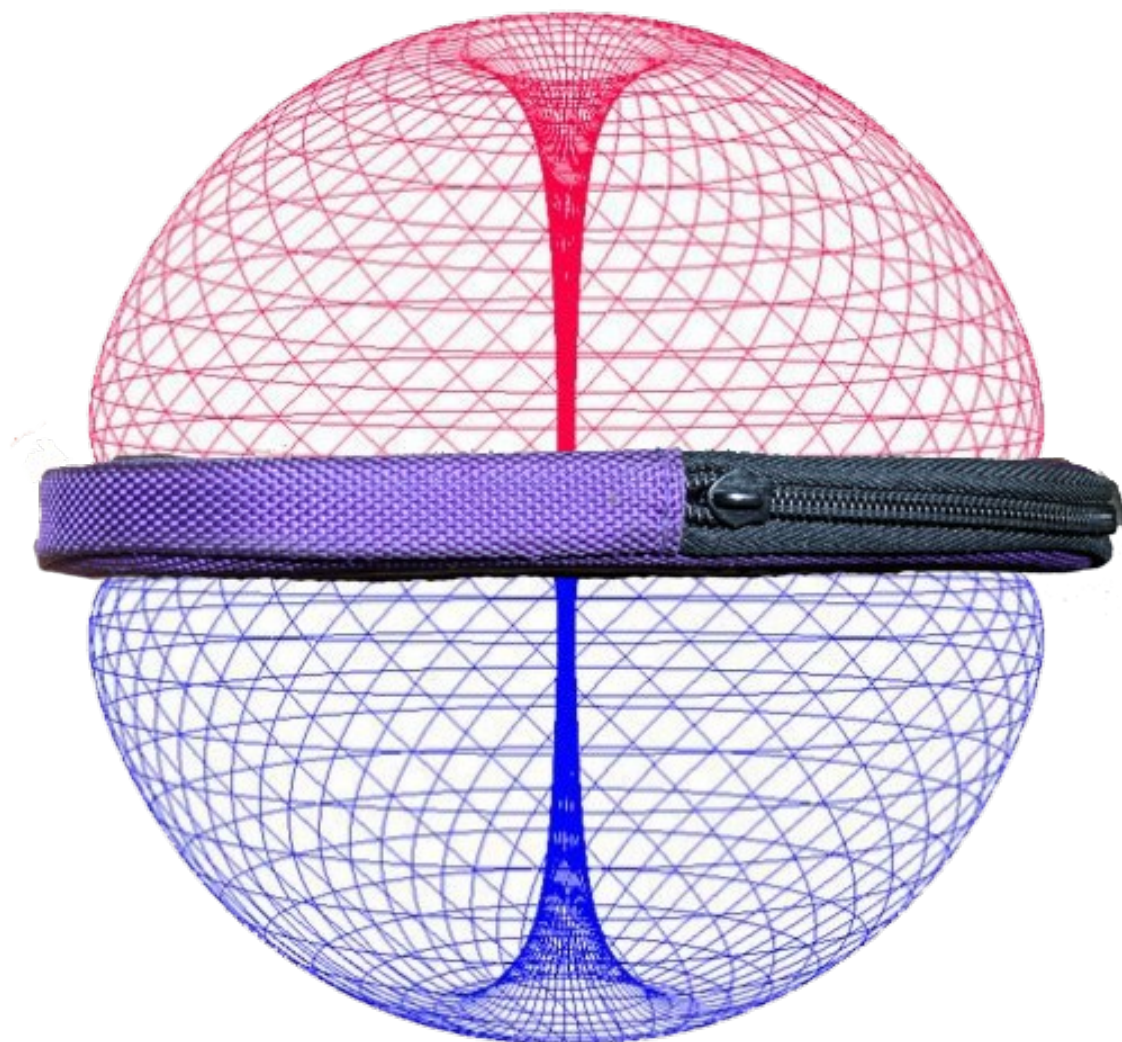


## Non-Polarized SuperPulsed Magnetic Field Produced By the PyraLight Pad

The [PyraLight.com](http://PyraLight.com) magnetic pad uses a special double sided circuit board antenna, which creates a double torus, one on each side of the board. The YouTube video link on page 1 shows the measurements taken with a 3D (X, Y, and Z axes) magnetic field strength meter.

The most powerful part of the field is in the center, in the Z axis. This is the central pole of the magnetic field. In three dimensions it is the hyperboloid part of the entire spherical magnetic field. The torus which surrounds the hyperboloid is the mathematically “real” part of the field; the hyperboloid is the “imaginary” part. The etheric field, also known as counterspace, is in the imaginary part. The PyraLight pad generates a very strong hyperboloid vortex. This makes a connection to stillness, the akasha in yoga, and the dielectric field of consciousness in Russellian physics. The healing properties of the PyraLight pad are due to this vortexing hyperboloid field in my opinion.





## EMF Protective Effect of the PyraLight Pad

The voltage at any point in space are the sum of the voltages at that point from all sources, when referred to a common ground point. The PyraLight pad double antenna has a maximum possible frequency output of 2KHz, whereas WiFi is in the 2GHz to 5GHz range, with 5G being proposed up to 100GHz.

The PyraLight pad superpulses three biologically important EEG frequencies:

- Gamma 40Hz (upper dan tien), the coherence of the left and right hemispheres of the brain. This biophotomodulation frequency has been shown in research by MIT to reverse amyloid plaque in mice. The PyraLight provides it synchronously in both 650nm LED (yang) and pulsed magnetic (yin) forms
- Schumann 8Hz (middle dan tien), the boundary between the subconscious theta and conscious alpha EEG frequencies. Known to be essential for memory storage, it is the resonant magnetic frequency of the calm heart. Since entering the photon belt around 2010, the earth's resonant frequency has been spiking up to 500Hz
- Delta 2Hz (lower dan tien), essential for deep sleep – also occurring in deep meditation, and responsible for boosting serotonin production in the gut microbiome

These frequencies are entrainment frequencies which the body recognizes and needs for health. In an ideal natural environment, and with a harmonized meditative lifestyle, these three frequencies are always internally available to the Mind-Body-Spirit system.

The video link on page 1 shows live measurements of the PyraLight pad cancelling out by interfering with the EMFs from a mobile phone, and reducing the peak EMFs by a factor of 5 – 10. The body is protected by the PyraLight, and entrained into healthy bio-positive frequencies instead.

Two highly electrosensitive users have reported that the extreme effect of cell towers, such as brain fog and nausea, have cleared after using the PyraLight pad when outside their homes. In both cases, they gained enough resilience that although they could still feel the EMFs, it no longer creates the debilitating effects they had had for many years before.