

Investigation of water resonances
under influence of
Lakosa Central Sun
Measurement and evaluation report

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The scope of this report is exclusively the documentation and evaluation of effects that were assessed by objective physical measurement. Neither the investigation of composition, manufacturing and mode of operation of the product, nor disclosure of information on the product to third parties was contracted. It is up to the manufacturer to care for constant product quality and regular product testing.

The method applied here for spectroscopic investigation of water is not part of the body of generally applied methods for the testing of water. As an extended method, it is qualified to render additional findings regarding the impact of the test sample on water. The phase coherence spectroscopy applied here is based on scientific progress of the last decades regarding quantum electrodynamics and electrophysics of water, and their application to quantum biology and electrobiology. Data files consulted for the interpretation of results have a background in empirical science. The method was validated in a blind trial involving 8 samples conducted by Kassel University (Germany).

References to biological resonances must not at all be understood as healing promise, or medical diagnosis, or therapy instruction.

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I. Subject and nature of the task

IIREC International Institute for Research on *ElectroMagnetic Compatibility (EMC* meant on a biophysical foundation) was instructed by Lakosa Handels GmbH to investigate by objective measurements (with physical meters, independent of the individual sensitivity of persons) the effect of the product «**Central Sun**» on water.

The Central Sun (CS) is constructed as a LAKHOVSKY **antenna** consisting of concentric, circular, non-closed conductors with alternating opposite mouth (cf. title photograph). It is activated by the manufacturer thru transmission from a distance and is designed to improve compatibility to humans of otherwise biologically disturbing electromagnetic fields of technical origin ("E-Smog") or of natural causation ("earth rays", water veins).

The investigation was conducted by **measurement of radio frequency (RF) resonances from a water sample** magnetically excited by extremely low frequency (ELF) circular polarized waves (0-100 Hz).

Thus **frequencies of biological effectivity** can be found **where the sample resonates specifically**. By means of empirical data biological effects can be assigned to single frequencies, referring e.g. to organs, to organ systems, to physiological and psychological body functions, to meridians and further electromagnetic systems of the body, to germs and parasites, to chemical elements, to supermolecular structures in water, to geomagnetic grids (HARTMANN and CURRY grids, BENKER cube system) and to geopathogenic zones (water veins, geological faults).

The particular **target of investigation** was to find out if the resonances exhibited by tap water would be altered when the water had been exposed for a certain interval of time to the immediate influence of the Central Sun.

As a test sample, a "big" Central Sun (measuring 1,30 m including post) was applied.

Contractor's particulars:

IIREC Dr. Medinger e.U. is registered in the Commercial Register at the Landesgericht (High Court of Justice) Krems an der Donau, register no. FN 256795 s. It is member of the **Austrian Chamber of Commerce, Technical Consultants section.**

The scientific head of IIREC, author of this report, **Dr. Walter H. Medinger** has been sworn and registered since 1993 as an expert at the Landesgericht (High Court of Justice) Linz, Austria. In 2004, his registered field of expertise as a **Generally Sworn and Certified Expert at Court** was extended to biophysical effects of electromagnetic fields.

The author's certificate as an expert is valid thruout the European Union under the auspices of the harmonized European certification system of experts at court. Current certification data:

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2. Investigation of water resonances

The method applied here is based on the properties of water and aqueous solutions that are coined by the vector of magnetic induction \mathbf{B} and the magnetic vector potential \mathbf{A} (which was denoted as "electromagnetic momentum" by MAXWELL).

2.1 Basics

From a physical, chemical, and biological point of view, water is one of the most remarkable substances at all. Forming the principal material part of biological tissue, it is continually replaced. A human's body consists of 70 % water regarding mass, and plants contain 90 % and more of water. Counting the number of molecules, one would find that even more than 99 % are water in biological beings. Water metabolism, and the quality of water have an elementary impact on physiology.

¹ with special regard to biophysical effects of electromagnetic fields

The quality meant here is covered in parts only by standard physical, and chemical, and microbiological testing of water. The method of determining magnetic resonances in water outlined here was chosen because following experience it is suitable to evidence the imprinting of physical signals to water that come e.g. from contact with mineral surfaces, or from electromagnetic fields, or from information-transmitting devices.

In order to understand why the structure and the biological value of water are influenced by electromagnetic fields, it is necessary to have a look to the contemporary state of the art in electrophysical and quantum physical science regarding properties of water.

2.1.1 Electromagnetic properties of water

From all chemical elements, those building up water, i.e. hydrogen and oxygen, exhibit the second highest difference in electronegativity (measuring the tendency to attract electrons); there is only one couple of elements showing a higher difference in electronegativity (hydrogen and fluorine; their compound hydrogen fluoride is hostile to life).

The water molecule, therefore, is strongly polar. This results in a very high dipolar moment of water (partial electrical charges of hydrogen and oxygen atoms times the distance of the atoms) and an extremely high dielectricity (characterizing the ability of water to store electric fields). The value of dielectricity (relative permittivity) is about 80, but in water, it is more variable than in any other substance known.

The strong dipole nature of the water molecule imposes to water very peculiar electromagnetic properties. Italian physicists DEL GIUDICE and PREPARATA found about 1990 that in liquid water so-called coherence domains should exist, with a strongly coordinated oscillation of dipole molecules representing a high order of the **liquid crystal** type. Due to the high permittivity, electromagnetic wave were strongly decelerated in water. This brings about, under conditions of coherence, extremely low frequencies (**fig. 1**). These frequencies in the ELF and sub-ELF range prevail in the natural magnetic field and became through evolution natural calibration signals for biological systems.

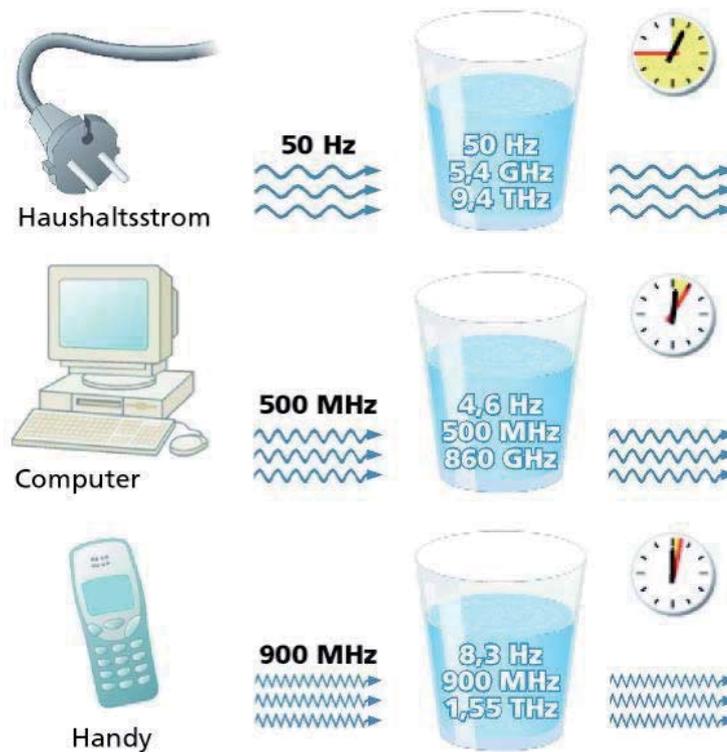


Fig. 1: Electromagnetic immission is stored in water in several frequency ranges. Microwave frequencies in the Megahertz- and Gigahertz range are an immediate capture of the electromagnetic wave propagating at the velocity of light. The ELF frequencies in the Hertz range stem from the coherence waves in water being some 100 Million times slower. Elevated frequencies in the Terahertz range result from superluminal photon tunneling of which experimental evidence was given by physicist Prof. GÜNTER NITZ of Cologne University. Transmitted radio frequency is absorbed rather fast (within seconds or minutes) by a water sample, but it takes considerably more time for low frequencies (such as electric mains frequencies of 50 Hz or 60 Hz) to be absorbed (cf. symbolic clocks). The process of absorption, though, can be accelerated by mechanical or electromagnetic pulses (cf. SMITH 2002).

The frequency imprint in natural water origins, besides from geomagnetic field, from the contact to rocks, and their silicate minerals in particular. Crystalline silicate structure promotes the formation of highly ordered structure in water which expresses itself in the frequency spectrum. Specific crystal-like structures in waters can be assigned to single frequencies. A pentagonal configuration, e.g., is represented by a frequency of 22,6 Hz (SMITH 2002).

Beginning at a certain density of water molecules, the highly coordinated coherence domains are energetically favorable compared to random arrangements of molecules. Therefore, coherence domains exhibit an extraordinary stability and lay a **scientific basis for “memorizing” structures and frequencies in water.**

2.1.2 Influences on water structure and evidence thereof

Distortions of the natural, somewhat crystal-like structure of water e.g. thru technical electromagnetic fields are paralleled by a modulation of its original frequency spectrum by an imprint of external frequencies or phase shift of natural frequencies in water.

On the other hand, the imprint of frequencies or phases to water can be directed in a biologically favorable direction by dissolution of substances, by dilution of solutions, by contact with insoluble substances, by certain types of agitating or stirring, or by interaction with external fields.

In their work EMILIO DEL GIUDICE, CYRIL W. SMITH among others gave evidence that the imprint of frequencies to water is accomplished by interaction of two magnetic quantities which are denoted as **A** field and **B** field in physics. The **B** field is the magnetic induction which characterizes the strength of a magnetic field. **A** is a magnetic quantity ranking above **B** and is called the magnetic vector potential. At one common frequency, the phase difference between the two fields is crucial for the biological nature of the signal imprinted to water. Efficient imprinting is accomplished if the phase shift is 0° or 180° , resulting in a regenerative or degenerative effect of the signal.

The investigative method applied here refers to the phenomenon of multiple frequencies outlined above: Thru **magnetic excitation** by circular polarized pulses, resonances are provoked as parallel frequencies in the microwave (some 100 MHz) range. A loop antenna detects these as radiofrequency magnetic vortices, and an induced electric voltage is recorded. Increase or decrease of voltage from a base line signals a + or - polarity of the resonance signal. Plotting this resonance signal against the excitation frequency yields a spectrum (for details cf. following paragraph). It is called "coherence spectrum" for it is determined by the coherence properties of the sample measured.

The excitation pulses are calibrated in a way that they correspond to resonance frequencies in the 0 to 100 Hertz range. Having in mind that water and biological systems exhibit parallel resonances in higher frequency ranges, as well, it makes sense to denote frequencies in the 0-100 Hz as basic frequencies. The excitation oscillations are produced in the generator by interference of dipol oscillators, therefore in the spectral diagrams the frequencies are labeled as *interferences*.

For the understanding of the method it is important to be informed of the basic physical fact that coherent systems communicate via phase. If a resonance is detected in water, this signals a phase matching of oscillators (i.e. the generator producing and the sample absorbing the excitation pulse).

So, in essence, the measurement consists in the detection of resonance between the coherent share of the sample and the phase of the excitation vector potential.

2.2 Experimental Details

2.2.1 Phase coherence resonance spectroscopy

The excitation pulse produced in a generator and, by choice, brought to a specific circular polarization in the polarizer, is transmitted via a magnetic socket to the water (or aqueous) sample contained in a beaker. A loop antenna detects faint magnetic RF vortices and induces an electric voltage in the detector unit. The voltage signal is amplified and displayed or recorded in Microvolts.

Principally, the measurement can be conducted with or without selection of the polarizer. Four polarizer settings may be selected: clockwise circular (+), counter clockwise circular (-), both circular polarizations (+/-) or neutral (without circular polarization). During the study reported here the settings (+) and (-) were chosen.

The frequency range of the antenna applied in the measurement is tuned to the range from which interferences may be selected at the generator. So, the detected signal refers to a definite frequency, and recording the signal (that is induced in the detector) against this frequency renders a spectrum. From the resonance signals found in the spectrum, a conclusion may be drawn to respective coherent structures in the water sample.

2.2.2 Preparation of samples and recording of spectra

Water samples were taken from the water supply tap in the laboratory of IIREC in Krems upon Danube (Lower Austria), *test samples and reference samples* being taken from the same tap. Both were bottled and the *test sample* exposed to the activated Central Sun (CS) for 12 hours. The bottle containing the sample was posed facing the CS, at a distance of approx. 30 cm in front of its center (cf. title photograph). The *reference sample* was stored apart from the CS. The samples were filled to the sample beaker after three times spilling, and the beaker inserted to the measuring apparatus for spectroscopy.

Then, the spectra were recorded consecutively with (+) and (-) circular polarization for each sample in the 0 to 100 Hz range.

Thus it was possible to compare the resonances showing up during measurement runs in the test and reference samples.

Finally, the recorded signals were plotted against the interference (frequency). The spectral resolution is 0,5 Hz meaning that one measurement scan yields 200 data sets, and, additionally taking into consideration both circular polarizations, 400 data sets are collected for one sample. Measurements performed for both samples yielded 800 data sets to be processed.

Raw data recorded from the detector were smoothed out and corrected for base line shift by a software routine and data thus corrected handed over to the spectral plot. The basic noise amounts to $\pm 5 \mu\text{V}$. Signals were accepted to be significant if elevated above the double of the basic noise (i.e. $\pm 10 \mu\text{V}$).

The following discussion refers to significant resonance signals that were found in the test sample differing from the reference sample. Four types of **effects** were assessed:

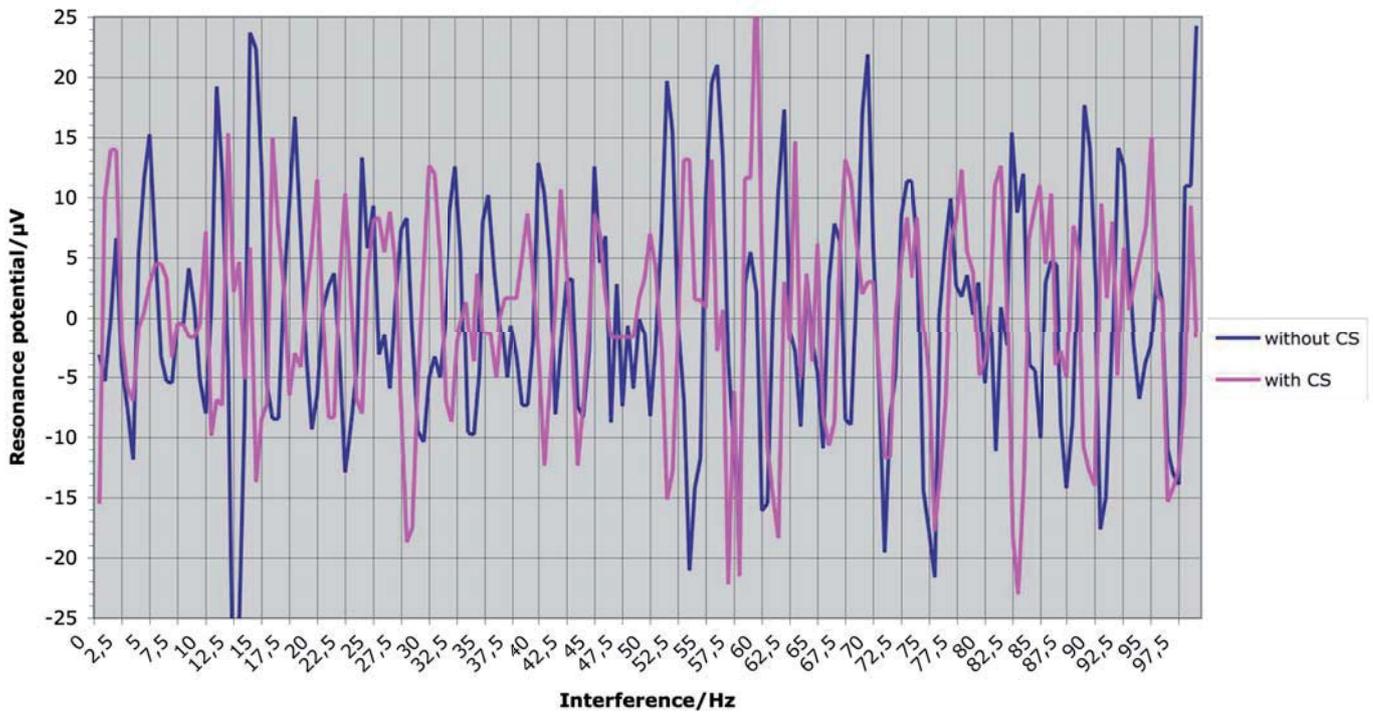
1. resonances emerging or being amplified thru exposition to the CS
2. resonances being cleared or considerably diminished in the test sample
3. signals being inverted in the test sample (i.e. their sign was turned around compared to the reference sample)
4. signals being shifted (to neighboring frequencies) in the test sample

If a signal in the test samples matches the respective signal in the reference sample, there is statement about a specific influence of the Central Sun. That does *not* necessarily mean that there was not at all *an influence exerted*. In this case it would be necessary to conduct further studies including several water samples of different origin in order to find out if any of them, following exposition to the CS, would exhibit a signal differing from the reference sample at the respective interference (frequency).

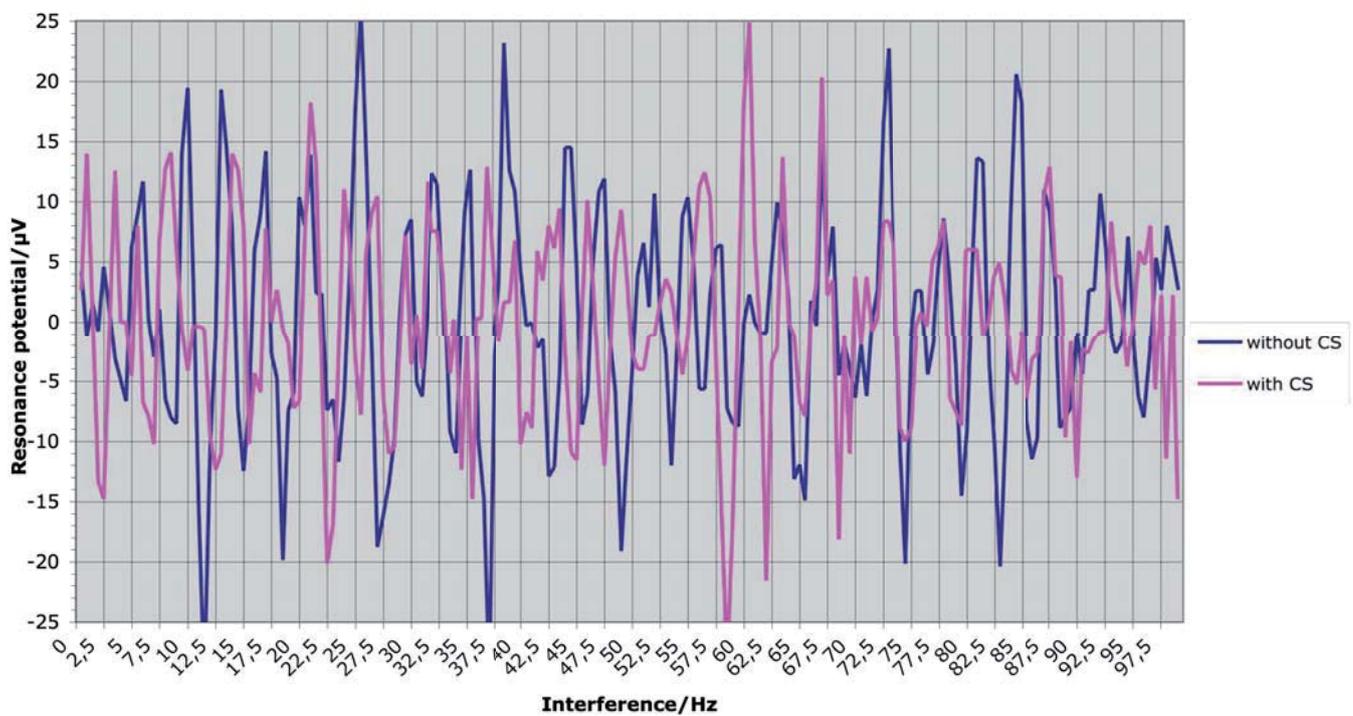
The following diagrams display overlapping spectra of test sample and reference sample to facilitate an immediate comparison.

Fig. 2 a and b: Spectra of reference sample (apart from CS) and test sample (exposed to CS)
a. for (+) circular polarization of excitation (p. 10) and
b. for (-) circular polarization of excitation (p. 11)

Coherence spectra from (+) polarized excitation Tap water exposed to and apart from Central Sun



Coherence spectra from (-) polarized excitation
Tap water exposed to and apart from Central Sun



3. Evaluation of results

Preliminary remark:

The interpretation of coherence spectra is performed – as usual in spectroscopy – draws upon data bases or files where empirical data are stored. There one retrieves the references from certain frequencies to e.g. chemical elements, water structures, microorganisms, physiological or psychological functions. Similarly, the usual tables familiar of molecular spectroscopy register the references from infrared (IR) absorption bands to specific molecular vibrations, or from ultraviolet (UV) bands to electron transitions.

The resonances e.g. of chemical elements that can be measured in water point to the material presence of these elements (in substance) or to their physiological effect. Data of this kind were harvested by German bioresonance pioneer PAUL SCHMIDT and his successors by testing, which frequencies transmitted from technical generators provoked an identical biological response as agents such as certain chemical elements, geopathogenic zones, pathogenic germs etc. The phase coherence spectroscopy developed by IIREC is a means of detecting resonance potentials (induced by magnetic vortices) by objective physical measurement.

In the study reported here the particular task was to identify deviations of the spectra of the test sample from those of the reference sample, in order to find out (with regard to biological and biophysical-chemical relevance) resonances in water being specific of the test sample.

3.1 Tables presenting results

The interpretations offered in the following **table 2** refer to (i) applications to **control of body systems** (**according to western and eastern medicine**), of which characteristic resonances frequencies are registered in files, (ii) resonances to **pathogenic germs** (diverse agents, parasites and their toxins), (iii) resonances to agents of biophysical-chemical relevance, e.g. **water structures, geopathogenic zones, and chemical elements**. In any case, resonances listed refer to effects to the **biological** system that were found empirically (**explanations** begin on **p. 14**).

In the *first and second column* of table 2, for (+) and (-) circular polarized excitation, interferences (meaning basic frequencies in Hz) are given, where the resonances of the test sample differ significantly from those of the reference sample. Regarding the spectral resolution being not less than 0,5 Hz, in the table the detected resonances are also registered in a bandwidth of 0,5 Hz, meaning that resonances deviating $\pm 0,25$ Hz from the principal frequency are included as well. The + and - signs preceding interferences refer to the deviation of the resonance signal from the base line.

The *third column* of table 2 lists known biological effects of the respective frequency. From these data, the biological significance of results is yielded.

Along with interferences listed in columns 1 and 2 of table 2 there is a symbolic record of the difference found in the spectra of the test sample **against those of the reference sample**.

To *facilitate reading*, the meaning of symbols is presented in advance in his **table 1**:

(+)	<i>In the heading:</i> clockwise polarization of excitation (right-handed rotation of the excitation wave)
+	<i>In the table rows:</i> Signal with a positive sign (i.e. above the base line)
(-)	<i>In the heading:</i> counter-clockwise polarization of excitation (left-handed rotation of the excitation wave)
-	<i>In the table rows:</i> Signal with a negative sign (i.e. below the base line)
=	Signal sign equals that of the reference sample
↕	Signal sign opposite to reference sample (inverted signal)
↑	Signal emerging or amplified (compared to reference sample)
↓	Signal cleared or diminished (compared to reference sample)
→ ...	Signal shifted from a lower frequency (to denoted higher frequency)
...←	Signal shifted from a higher frequency (to denoted lower frequency)

Table 1: Symbols found in results table 2 and their meaning

Now some explanations are offered to various fields of application.

3.1.1 Body control according to western medicine: Bioresonance pioneer PAUL SCHMIDT found a system of resonances referring to central parts of the brain and other parts of the body on which the control of all body systems is based (control centers).

In table 2 these resonances, and frequencies of brain waves, are presented, if measured in the samples.

3.1.2 Body control according to eastern medicine (chakras, acupuncture meridians and their ending points): The structures that have been described for millenia in traditional chinese medicine (TCM) were confirmed by recent elektrobiological research as paths of elevated conductivity (with acupuncture points as their nodes). Chakras are elektromagnetic vortex structures of the body. All these structures have their particular resonance frequencies. We refer to the resonances found by PAUL SCHMIDT.

In TCM a meridian each (with a particular resonance frequency) is assigned to the most important body organs or systems. Each meridian, in turn, corresponds to another meridian with an opposite Yin-Yang polarity (and a different resonance frequency).

3.1.3 Germs and parasites (pathogenic agents and their toxins): From empirical science frequencies are known that have the effect to extinguish noxious germs (microbes, parasites) and their toxins, resp. In table 2, resonance frequencies are presented that can be assigned to those germs. The presence of their frequencies may indicate that the test sample counteracts the germs.

3.1.4 Biophysical-chemical applications: In this field, resonances to water structures, to geopathogenic zones (anomalies of magnetic field), and to chemical elements are listed.

Interpretation aid: Chemical resonance signals are produced from electromagnetic signatures imprinted to water by chemical substances. Depending from the sign of resonance, it is possible that the effect may be reverted (cf. hormesis phenomenon in homeopathy). The same applies to magnetic field structures.

Interferences, and alteration compared to reference sample, when circ. pol. is		Biologically effective resonances in the application fields: control of body system (western and eastern medicine), pathogenic germs, water structures, chemical elements (el.), magnetic field structures
(+)	(-)	<i>Description of resonances</i>
+1... ...+2 ↑	+1 -2...2,5	Chickenpox nosode; 3-warmer (Yang) cervical spine, shoulder joint, common cold; colon meridian (1,8); control of hormone balance ♀, autonomous nervous system (2,5)
	+3,5	Upper boundary of delta band of brain waves; kidney meridian (Yin; 3,4); cervical spine; control of hormone balance ♂
	-7 ↑	Circulatory disorders, capillary vessels, frontal headache
	+8...8,5 ↓	Spleen/pancreas Meridian (Yin; 7,8); basic frequency of Schumann resonances (7,8); lower boundary of alpha band of brain waves; ear/parotid gland
+12	-12,5...13 ↓	Common cold, nose recovery center, limbic system, life energy (12,5); rheumatism, hepatitis C (13)
-14,5 ↓	→+14...14,5	Testes, impotence; protection against arteriosclerosis
+ 16 ↓	→ -15,5	Penis control frequency; viral diseases (15,75) cholera
+ 20		Neck/jaw control frequency; menstruation cycle; small intestine meridian (Yang; 20,4)
+ 22,5 ↓	↑ -22,5...23	Cell membrane, cell regeneration; hypothalamus; pentagonal coil structure in water (22,6); geological disorder zones; mitochondria (23)
	+24	Cell structures, adrenal hormone; inner unrest, melanoma (24,5); el. Tellurium (23,75)
	+27 ↓	Ears, lymph, gallstone dissolution; self-assurance / inhibition, frigidity, el. Tungsten (27,5)
↓-28... ...28,5	↓28... ...28,5	Connecting tissue, scars, neurodermitis; el. Radon (28); paralysis, muscle twitching, venous inflammation
+30...30,5		Balance center, skin degeneration, trigeminus; tooth root (30,5)
	+31,5 ←	Near- and farsightedness; influenza viruses A and B (31,86); el. Thorium (31)
	-34,5	Fatty tissue degeneration, brain atrophy; bladder meridian (Yang; 34,4); mycobacteria, herpes viruses, warts; geol. faults (34)
	-35,5 ↓	Skin allergy, obesity; Coli bacteria (35,6); el. Chromium, caduceus coil structure in water (35)
	+37 ↓	Epilepsy, athlete's foot; measles (37,13); el. Cobalt
-40,5 ↓	-40	Heart center; el.s Radium (40), Lithium (40,75) bacterial intestine disorder (40,25); pleuritis; muscle trichinae (40,47)
+42		Menstruation cycle, cardiac septum, nerve recovery; herpes zoster (41,84), warts; el. Neon (42,25)
-43,5 ↑		Angina pectoris, myocardial infarction; el. Nickel (43,25), Calcium (43,75)
	↓-44,5... ...45	Hemodilution/thrombosis, leg edema; el. Silver center of motion, walking disorder, musculature; growth of hair; basic chakra; el. Sodium
	+46 ↓	Shoulder joint, lower leg, bronchi, metabolism; el. Platinum (45,75)

Interferences, and alteration compared to reference sample, when circ. pol. is		Biologically effective resonances in the application fields: control of body system (western and eastern medicine), pathogenic germs, water structures, chemical elements (el.), magnetic field structures
(+)	(-)	<i>Description of resonances</i>
	↓-47,5	Center of thinking, circulation, secondary heart control; el.s Uranium (47,25), Zinc (47,75)
	↑+49	Menstr. cycle, cardiac orifice, hypotension; el.s Lead, Beryllium (49,25)
↓-51,5		Nervous system; el.s Aluminium (51,25), Iron (52)
+53... ...53,5 ↓		Ambition; el. Antimony (54), global magnetic field grids (54); venereal diseases, lower abdominal mycosis; kidneys and adrenal glands (both frequencies)
+55,5 ↓		Sexuality center (55), impotence; leukemia, energy reception thru intestinal wall; spleen chakra (55); el. Francium
-57	↑+56,5	El. Helium (56); liver (56 to 56,25), dyslexia impotence, skin control, caries, paranasal sinuses; cardio-circulatory meridian (Yin; 57,2)
-58 ↑	-58 ↑	Immune modulation, influenza, circulation, sinuses, regeneration of nerve cells
↑+59... ...59,5		Cervical spine, stomach regulation, whooping cough, caries; regeneration of nerve cells, leukosis/leukocytosis
	+60,5	Hemorrhoids, rectum; partial deafness, vascular regeneration
-61,5	-62	Anxiety neurosis, intestinal mucosa; motor system, thyroid function; magnetic field grids, geol. faults; large intestine, small intestine (both frequencies)
→ +63	→ +63,5	Menstruation cycle; peristalsis, motor system, large intestine; kidney stone; gallstone, rectum paralysis/diarrhea water veins (both frequencies)
-66		Common cold, rheumatism, large intestine, sinews; el. Plutonium; water veins
+67,5 ↓	= +67	Intervertebral discs, duodenum, small intestine; center of speaking, spine, diaphragm, sciatica; water veins (both frequencies)
	↑ -68,5	Intervertebral discs, hemorrhoids, bladder; mites; water veins; el. Yttrium (68,25)
	-69,5	Lung meridian (Yin, 69); herpes zoster, cellular regeneration of skin, osteoporosis; el.s Hydrogen (69,25), Cadmium (69,75); Center of seeing (70); water veins
↓ -71... ...71,5		Tonsillitis; mites (70,7); el.s boron (70,75), arsenic (71,25); flat foets, water veins (both frequencies)
	= -74,5	Stomach, acid balance, maxillary and frontal sinuses, control of gall bladder; control of lymphatic and respiratory system, dry cough, eyes (75); el. Bromine (73,75); water veins
= -75,5		Common cold, rheumatism, sciatica, inflammations, gout; el. Iridium (75,25); water veins
→ +78		(Rheumatoid) arthritis, arthrosis; control of bravery and courage to face life; water veins

Table 2 (pp. 15 to 17): Results of evaluation of spectra: characteristic resonances imprinted to water by impact of the Central Sun

Interferences, and alteration compared to reference sample, when circ. pol. is		Biologically effective resonances in the application fields: control of body system (western and eastern medicine), pathogenic germs, water structures, chemical elements (el.), magnetic field structures
(+)	(-)	<i>Description of resonances</i>
↑ +81... ...81,5		Dry cough (81), growth of hair (81,5); geol. faults (both frequencies), magnetic field grids (81,5); el.s Actinium (80,75), Polonium (81,25), Thallium (81,50), Zirconium (82)
↓ -83		Center of altruism, intestine (82,5); ulcus ventriculi; geol. faults, magnetic field grids
↑ +85		Center of hair, skin and connecting tissue; varicose veins, gallstones; heart chakra; el. Molybdenum (85,25), Barium (85,5); geol. faults
+86		Bronchi, throat disease; skin; uringary tract; el.s Argon (86), Indium (86,25); geol. faults
↓ -89... ...90	-90	Fallopian tube, phlebitis, throat disease; sciatica, warts, gout (89,5); center of memory, anxiety neurosis; epilepsy, pleura, abdominal breathing; umbilic chakra; el. Silicon (89), Potassium (89,5); geol. faults, magnetic field grids (89,5)
+ 95		Control of lymphatic system; cardiac arrhythmia, aorta; herpes zoster; lumbar spine, softening of the bones; meningitis; forehead chakra; el. Mercury (94,25); water veins, geol. faults
= 96,5... ...97,5	-98	Control of headache (96,5), skin disease (97), center of dreaming (97,5), pituitary frontal lobe and otitis (98); M. Parkinson, bone marrow excrescence, lockjaw (96,5); preliminary heart control, cardiac arrhythmia, thalamus, frigidity (97); Immune modulation/endocrine glands (97,5-98); cell regeneration, center of balance, insulin (97,5); gall bladder meridian (Yang; 97,5), stomach meridian (Yang; 98); el. Ytterbium (97,5); water veins, geol. faults, magnetic field grids (98)
	-99	Control of anxiety, pituitary posterior lobe; autonomous nervous system, sensitivity to the weather, center of creativity, veins, arthritis

3.2 Significance of results

Table 2 displays a wide spectrum of resonances which are imprinted to water by impact of the Central Sun. The biological significance of these is distributed to the control of important body systems, as well as to biologically effective resonances to water structures, to grids in the geomagnetic field, to water veins and geological faults, and finally, to chemical elements.

The following resonances deserve particular attention :

- **Organ frequencies and control frequencies of the body for:** immune system, endocrine system, autonomous nervous system, digestion system, urinary and sexual tracts, cell components, bone and muscle system, against inflammation, against warts, in the ear, nose and throat region etc.
- **Cognitive and psychological control centers:** senses of hearing and seeing, self-assurance, thinking, memory, altruism, bravery, courage to face life, limbic system etc.
- **Meridians** (3-warmer, kidney, spleen/pancreas, bladder, lung, heart and circulation, gall bladder, stomach, small intestine, colon), **Chakras** (forehead, heart, umbilic, spleen, and basic chakra)
- **Water structures:** pentagonal coil, caduceus coil
- **Against geopathy:** Intersections of geomagnetic field grids (HARTMANN/ CURRY/ BENKER system), water veins, geological faults
- **Resonances of chemical elements essential for biology** (Potassium, Sodium, Calcium, Zinc, Aluminium, Iron, Boron, Chromium, Cobalt..)

4. Summary

IIREC, the International Institute for Research on EMC researches in electromagnetic compatibility on a biophysical foundation. In the course of a comprehensive investigation of physico-chemical properties of the Central Sun with regard to its biological effects the institute was instructed to study the resonance structure imprinted to water by the Central Sun. The study was conducted by use of phase coherence resonance spectroscopy. This method detects magnetic resonance signals from coherence domains of water molecules which constitute – at room temperatur - about 30 % of liquid water.

The theoretical foundations thereof were laid by Italian quantum physicists EMILIO DEL GIUDICE and GIULIANO PREPARATA. Substantial research regarding the biological significance of resonance signals in water was conducted by British electrophysicist CYRIL W. SMITH in cooperation with doctors and biophysicists. An important result from this body of scientific work was the parallelism of resonance frequencies in the ELF and microwave band.

In the laboratory of IIREC a water sample was exposed 12 hours at a distance of 30 cm to the impact of the Central Sun. A reference sample was taken from the same water tap, but stored apart from the Central Sun.

The measurement results were plotted as a spectrum. The signals showing up in the course of the spectral line form a characteristic signature of water samples, with marked single resonance frequencies. The resonances that displayed a significant modification after impact of the Central Sun (compared to non-exposed water) were evaluated regarding their biological and medical, as well as physical and chemical significance.

From the comparison of the spectra of the samples, the characteristic frequencies were identified that were imprinted by the Central Sun to water.

Resuming a representative number of water samples and water treatment technologies that were studied by IIREC so far **it is possible to state that the Central Sun by Lakosa (i) finds itself in the leading group regarding coverage of resonances of organ and control systems of the human organism, (ii) covers the resonances of body meridians and chakras as completely as hardly found so far, and (iii) exhibits a peculiar signature regarding resonances to chemical elements, with an emphasis on electropositive elements (cations).**



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Compatibility - *EMC* on biophysical foundation

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