

## 2026 BLACK BOX CAR + [EN]



Solution regarding your health and vitality in the car.

Observational study for passenger cars with electric motors.

Protection of passengers in electric vehicles – reduction of electrosmog using quantum physics:

Vital Field Transformer Car + observational study.

### Summary / Abstract

**Background:** Electromagnetic fields have the potential to cause significant changes and harmful effects on biological systems.

**Research question:** Is it possible, through technology based on quantum physics, to reduce the impact of electromagnetic fields (EMF) on biological systems in an electric vehicle?

**Materials and Methods:**

An observational study was conducted on 11 participants who, according to a predefined testing protocol, completed  $2 \times 30$ -minute drives in a battery-electric vehicle. The first 30 minutes were completed without the device, and the following 30 minutes with the use of the Vital Field Transformer Car+ (Vitalfeldtransformer Car+), a device designed to neutralize electromagnetic field exposure in electric vehicles.

**Results:**

The primary objective – a significant reduction in electromagnetic exposure affecting the vehicle occupants – was demonstrated in a statistically significant manner. Instrument-based methods included continuously recorded physiological data such as skin conductivity, temperature, muscle tone, blood circulation, respiration, neurofeedback, pulse, and heart rate variability. To obtain a systematic overview of the overall condition of the organism, a live blood analysis using light microscopy was performed at three predefined time points.

**Conclusion:**

Based on the currently available data, the use of the VFT Car+ represents a simple and effective quantum-physics-based method for protecting occupants in battery-electric vehicles and for achieving a significant and observable reduction in electromagnetic field exposure.

**Keywords:** electrosmog, electric vehicles, electromagnetic fields, prevention, Vital Field Transformer, quantum physics

**Introduction and Practical Significance**

Rapid civilizational development does not occur without effects on the human biological organism. In order to scientifically investigate the proven effects of electromagnetic interference fields on vehicle occupants, the International Commission on Non-Ionizing Radiation Protection (ICNIRP; founded in 1992) was established. (1)

Since then, numerous scientific studies have demonstrated significant effects of electromagnetic fields (EMF) on body tissues, especially on the nervous system. The electric vehicle built in 1888 at the A. Flocken engineering factory in Coburg is considered the first four-wheeled passenger car powered by electricity. The mobile phone, invented by Martin Cooper in 1973, received its first official approval in September 1983.

The aim of this study was to determine whether the impact of exposure to

electromagnetic fields on biological systems can be reduced using a technology based on quantum physics – the Vital Field Transformer Car+ (VFT Car+).

## **Topic**

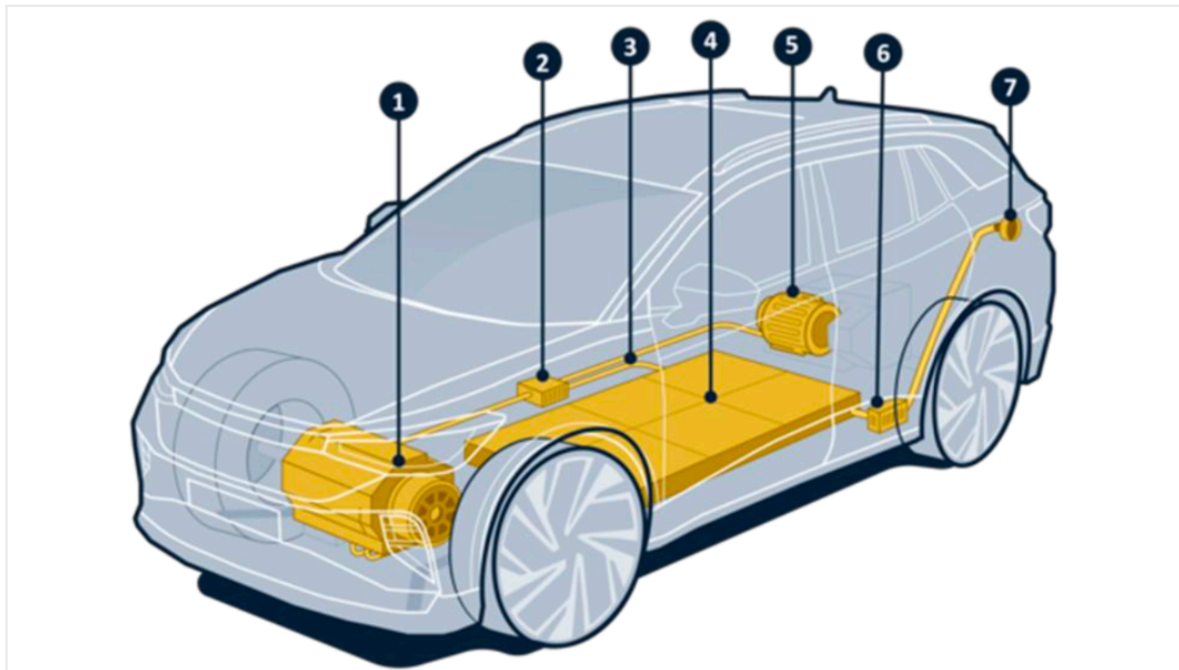
Lifetime exposure to electromagnetic fields (EMF) has increasingly become the focus of extensive scientific studies, as EMFs have the potential to cause fundamental changes and harmful effects on biological systems. (2)

An electric field is generated whenever voltage is present on a device or electrical line. When the device is switched on and current flows, a magnetic field is additionally generated.

Electromobility is distributed unevenly across Europe. While in Germany the share of newly registered passenger cars with electric drive systems was 13.5% in 2024, Norway led with 87.9%, followed by Denmark with 51.3% and Malta with 37.7%. (3)

Relevant sources of magnetic fields are present in all drive systems (battery-electric vehicles – BEV, plug-in hybrids – PHEV, and combustion-engine vehicles), including air conditioning systems, fans, seat heating, electric window controls, vehicle starters, assistance systems, comfort and entertainment systems, radar, and wireless radio communication. In electrically powered vehicles, additional magnetic fields are generated primarily during vehicle operation and charging (Fig.). (4)

**Sources of magnetic fields exclusively in electric and hybrid vehicles (in addition to the magnetic field sources found in combustion-engine vehicles).**



1. Front drive unit (depending on equipment version)
2. Inverter (converter)
3. High-voltage wiring
4. High-voltage battery
5. Rear drive unit (depending on equipment version)
6. On-board charger
7. Charging connector

**Figure:** Sources of magnetic fields exclusively in electric vehicles and hybrids

Low- and medium-frequency magnetic fields penetrate the human body almost without limitation and can induce electric fields and currents within it. This leads to changes in the conductivity of the cell membrane and a loss of its integrity. As a result of this stress, organ functions may become impaired. (2, 5, 6)

Exposure to electromagnetic fields (EMF) causes an increased production of free radicals, which play a significant role in the mechanisms of many diseases, such as diabetes and cancer (7, 8, 9). If the antioxidant defense system is unable to prevent the harmful effects of free radicals, oxidative stress develops.

Scientifically confirmed effects include irritating and stimulatory impacts on nervous and muscle tissue. EMFs may disrupt neuronal functions in the human brain (10). Similar to the effects observed during mobile phone use, symptoms such as stress, headaches, fatigue, anxiety, reduced learning capacity, impaired cognitive functions, and weakened concentration may occur (2, 11, 12, 13).

The increased influx of free radicals caused by EMF exposure further leads to

oxidative damage, which may subsequently contribute to various diseases such as sleep disorders, atherosclerosis, loss of appetite, dizziness, rheumatoid arthritis, and cardiovascular diseases (14, 15, 16).

These magnetic fields range from zero Hertz (Hz – static fields) up to several tens or hundreds of thousands of Hertz (kilohertz, kHz – low-frequency and intermediate-frequency fields). In electric vehicles, the following sources of magnetic fields are particularly relevant: the electric drive system, wiring and associated electronics, the vehicle battery, charging equipment, and the charging cable.

High levels of electromagnetic fields in electric vehicles have been recorded especially in the footwell area. A dynamic, sporty driving style may lead to short-term exceedance of reference values. In addition, if a mobile phone is used inside the vehicle and Wi-Fi is active, extremely high radiation intensities in the range of 10,000 to 100,000 microwatts per square meter may occur. Deviations in brainwave activity are generally observed from levels above 1,000 microwatts.

## **Vital Field Transformer Car+**

The VFT Car+ is based on principles of quantum physics – the branch of physics dealing with phenomena at the atomic level and with even smaller particles known as elementary particles.

After connecting the VFT Car+ to the vehicle body, a vital field is generated, shaped by a negative ion field. This field neutralizes radiation exposure from electromagnetic field sources without affecting the functionality of digital devices.

Qi-Quant technology is based on the research work of quantum physicist Harald Granzer at the Dr. Robert Becker Institute and represents a symbiosis of Nikola Tesla patents, knowledge of frequency therapy, energetics, and the latest research in quantum physics.

Defined bioinformation is modulated onto an ELF scalar wave. The quantum field generator subsequently creates a vital field, permanently stabilizes it, and regulates its intensity. The frequency converter integrates information from quantum-energetic materials into the generated vital field.

## **Method**

This study is based on data collected during the observation period from August 15, 2025, to August 16, 2025.

A total of 11 individuals participated in the observational study – five women and six men. The age range was between 21 and 55 years, with an average age of 41 years and a median age of 43 years.

At the beginning of the experimental protocol, a detailed medical history was conducted under the supervision of the study's medical director. Information was collected regarding brain tumors, implants (e.g., pacemakers), private or professional use of battery-electric vehicles (BEV), and the presence of photovoltaic systems at the participant's residence. After confirming eligibility, measuring devices were connected to the participants.

The following physiological parameters were recorded:

ECG, oxygen saturation, respiration, neurofeedback (blood circulation in the frontal lobe of the brain), electroacupuncture according to Voll, pulse and heart rate variability, muscle tone, body temperature, and skin moisture. Live blood analysis using light microscopy was performed at precisely defined time points during the driving sessions.

The following experimental procedure was then carried out using a battery-electric vehicle (BEV):

- baseline measurements while the vehicle was stationary,
- continuous measurement during the first 30-minute test drive without the VFT Car+,
- baseline measurements while the vehicle was stationary,
- a second 30-minute test drive with the VFT Car+ installed,
- final measurements while the vehicle was stationary.

## Results

Several physiological parameters were analyzed by comparing conditions before and after implementation of the VFT Car+ in order to verify the measurable effects of the system on the electric vehicle driver.

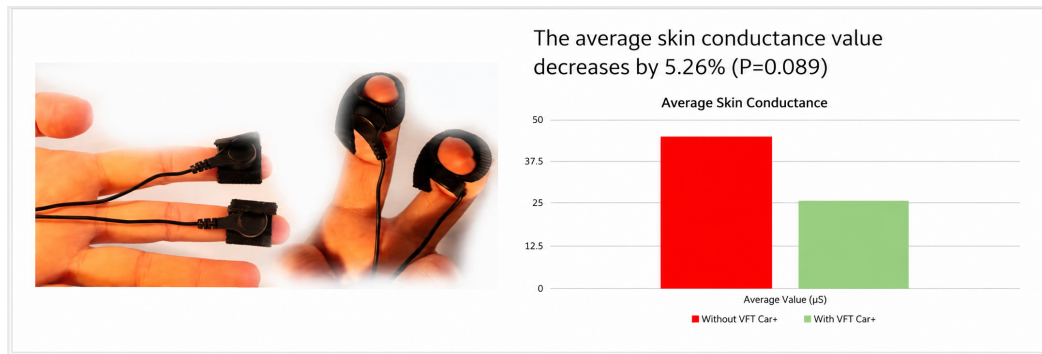
Below are the individual parameters and their significance in terms of stress load, tension, and relaxation level. The measured results and identified effects are presented.

**Note:** p-values below 0.05 are considered statistically significant. Due to the volume of data, the results are presented exemplarily. Similar trends were observed in all 11 participants.

### Skin Conductance

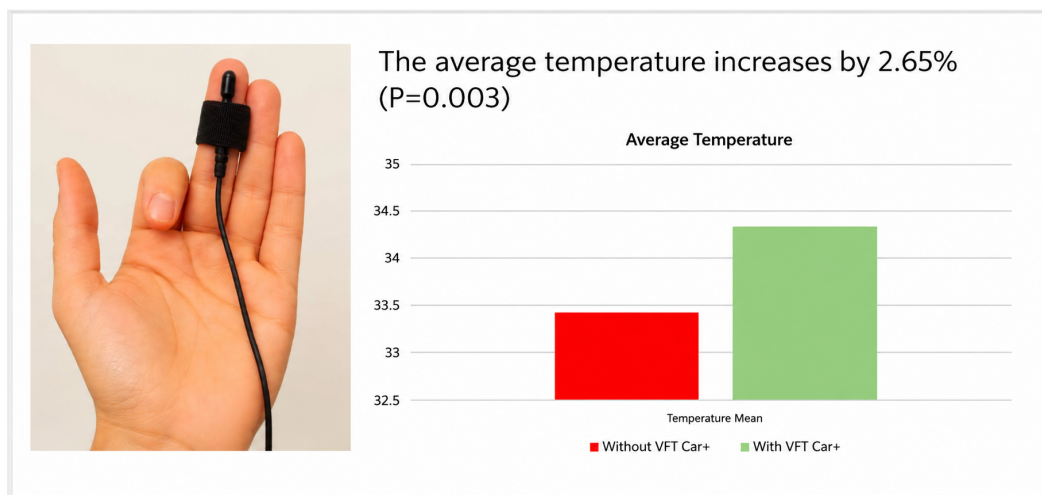
Skin conductance measures the electrical conductivity of the skin, which is strongly influenced by sweat gland activity. It is a central and rapidly responding parameter reflecting changes in stress level and physiological activation.

Reduced sweating activity (lower stress level) leads to a decrease in skin conductance. Therefore, a decrease in skin conductance corresponds to a higher level of relaxation.



## Temperature

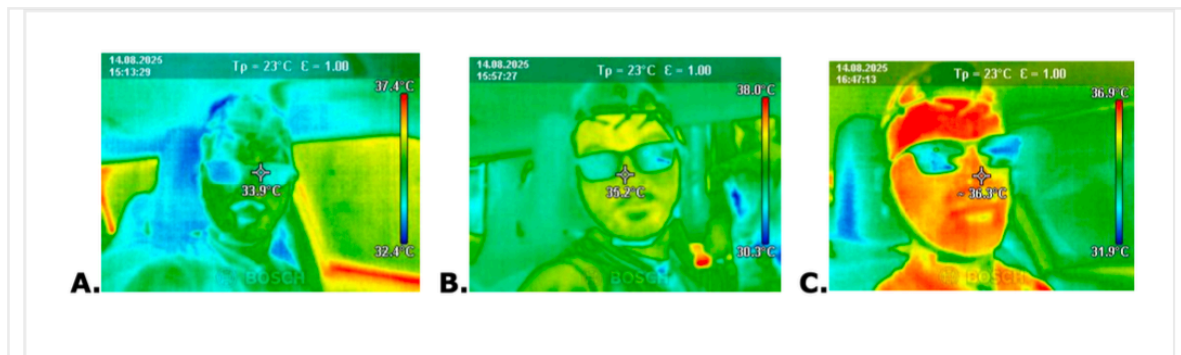
Skin temperature is a simple physiological marker of activation or calming of the autonomic nervous system. Stress leads to constriction of blood vessels, resulting in a decrease in skin temperature. During relaxation, blood vessels dilate and skin temperature increases.



These changes could also be equally recorded through facial skin temperature measurements. For this purpose, a Bosch GTC 600c Professional thermal imaging camera was used.

Images (participant M. E.):

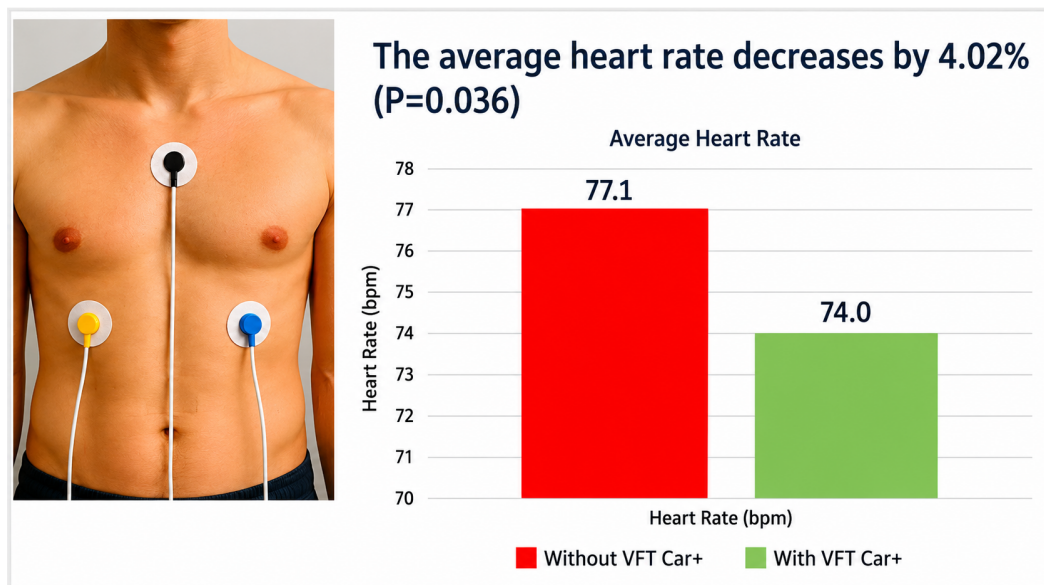
- A. Baseline value at the beginning of the test drive;
- B. After the first 30 minutes of the test drive without using the VFT Car+;
- C. Final image after the second drive, following 30 minutes with the VFT Car+ connected.



## ECG – Recording

Pulse rate is a fundamental vital parameter that indicates how actively the heart and circulatory system are functioning. It is regulated by the autonomic nervous system and responds immediately to stress, relaxation, as well as physical and psychological activity.

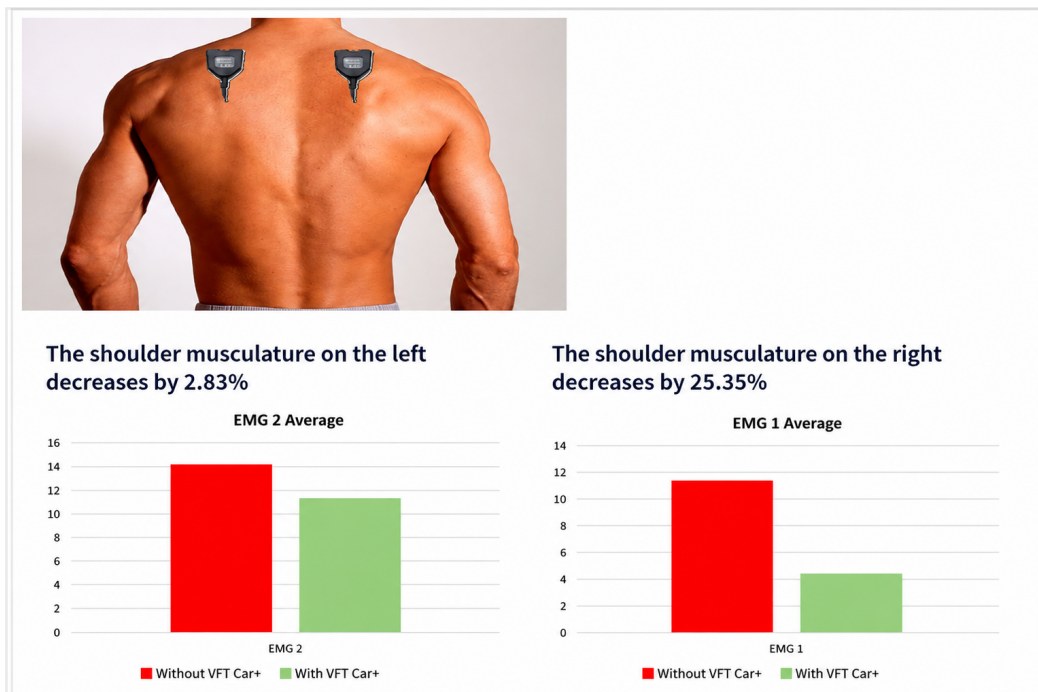
Heart rate increases during stress, strain, or tension and decreases during relaxation and regeneration, thereby providing key information about the level of physiological load and relaxation.



## Shoulder Muscle Tone (Trapezius) – Left/Right Side

The trapezius muscle (M. trapezius) is an important muscle in the shoulder and neck region that is often tense due to stress, computer work, and physical strain.

Using electromyography (EMG), muscle activity can be measured precisely, making it possible to monitor how intensively the muscle is working or whether it is under continuous tension.



## Summary of Derived Physiological Parameters

During the baseline measurements, the participants showed only minimal changes. However, in the direct comparison between the drives without intervention and those with intervention, the changes were clearly and distinctly detectable.

The measurement results demonstrated a noticeable and statistically significant improvement in the relative stress level in the direct comparison between drives without and with the implemented VFT Car+.

## Live Blood Analysis

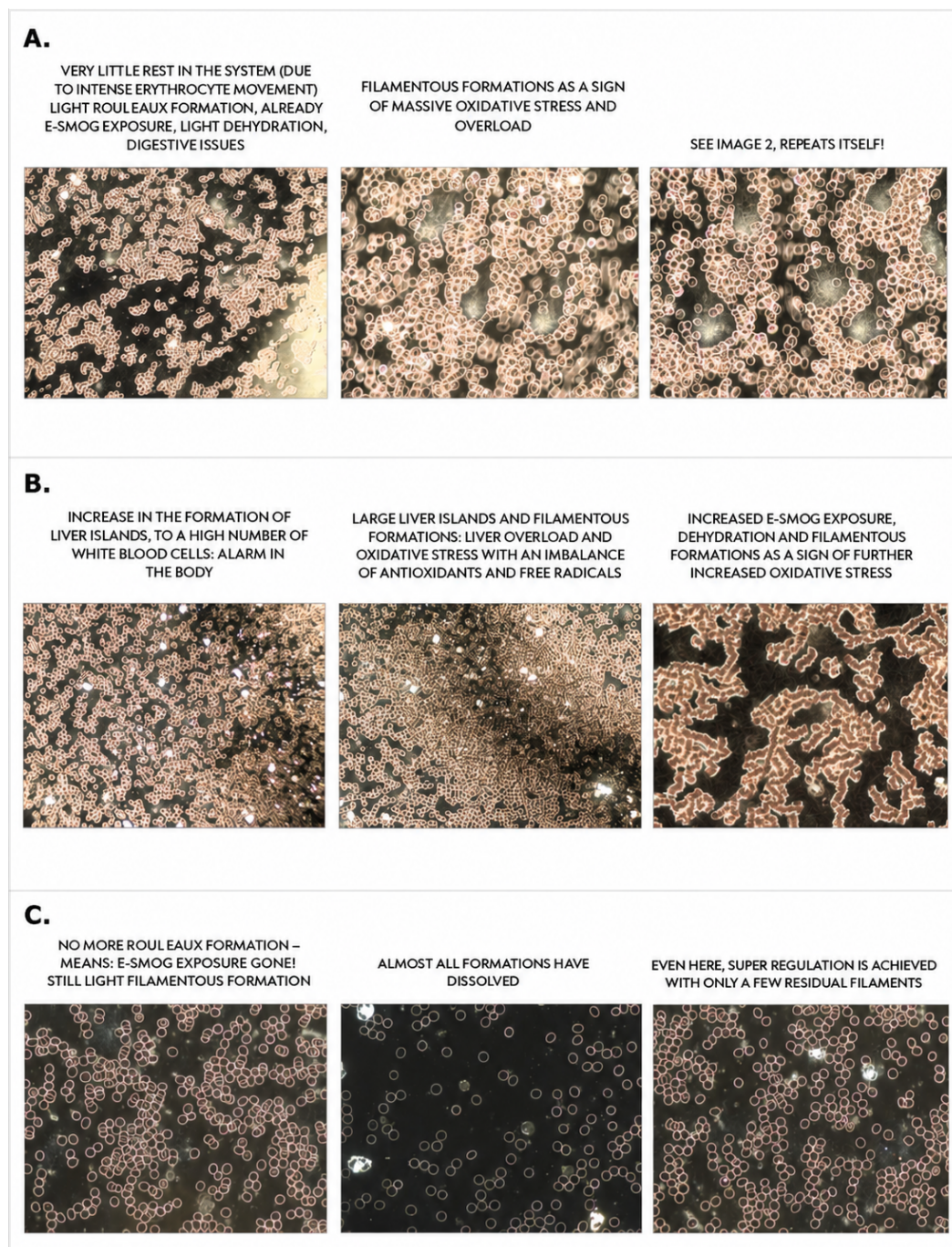
The live blood analysis was performed using the MADF 750 light microscope (manufactured in 2025) by MicroAge.

Regardless of the initial baseline condition, all participants showed clear signs of electrosmog exposure after the first 30 minutes of driving without the VFT Car+ (oxidative stress within cellular clustering). Typical images revealed dehydration of the system and a decrease in energy levels. In contrast, driving with the VFT Car+ connected led to a significant correction toward improvement, regeneration, and relaxation. In the overall evaluation, the stress imposed on the biological system by EMF during the first part of the route is clearly visible, as well as its subsequent transformation and neutralization by the generated vital field during the second part of the drive.

The following characteristic images are now presented (participant C. M. R.):

- A. Baseline value at the beginning of the test drive;
- B. After the first 30 minutes of the test drive without the VFT Car+;
- C. Final image after the second drive, following 30 minutes with the VFT Car+

connected.



## Analysis of the Autonomic Nervous System / Heart Rate Variability (HRV)

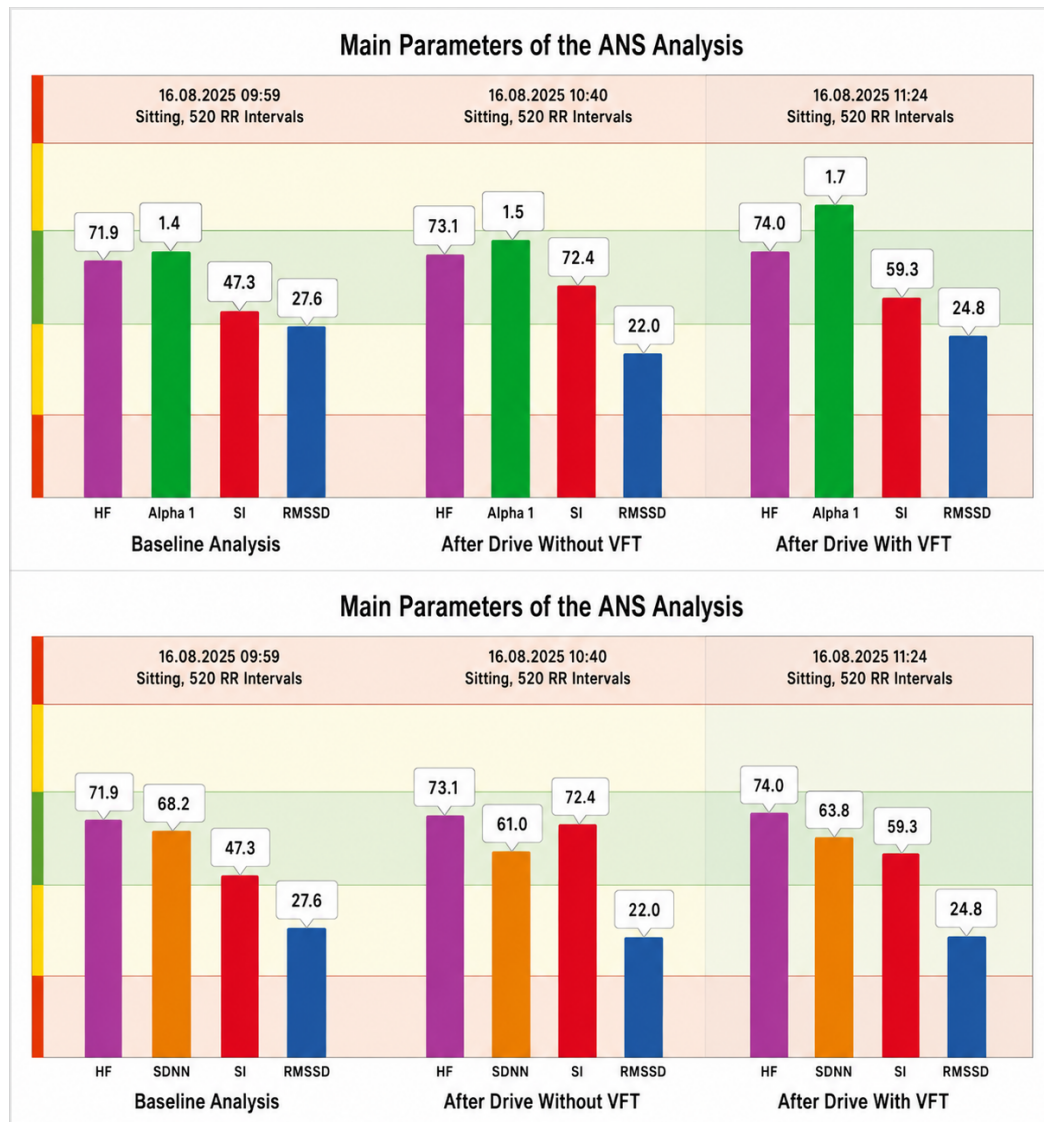
The measurements were performed using the "Commit VNS-Analyse Creating Health" device.

The analysis of the autonomic nervous system (ANS) focuses on changes in heart rate during inhalation and exhalation.

Excessively low variability is considered an indicator of impaired cardiovascular fitness.

Heart rate variability (HRV) is a mathematical analysis of deviations between individual heartbeats, specifically the R-R intervals in the ECG.

This parameter provides a reliable picture of a person's overall regenerative capacity (Alpha 1) as well as their regulatory capability (SDNN).



**Figure (Participant R.A.)**

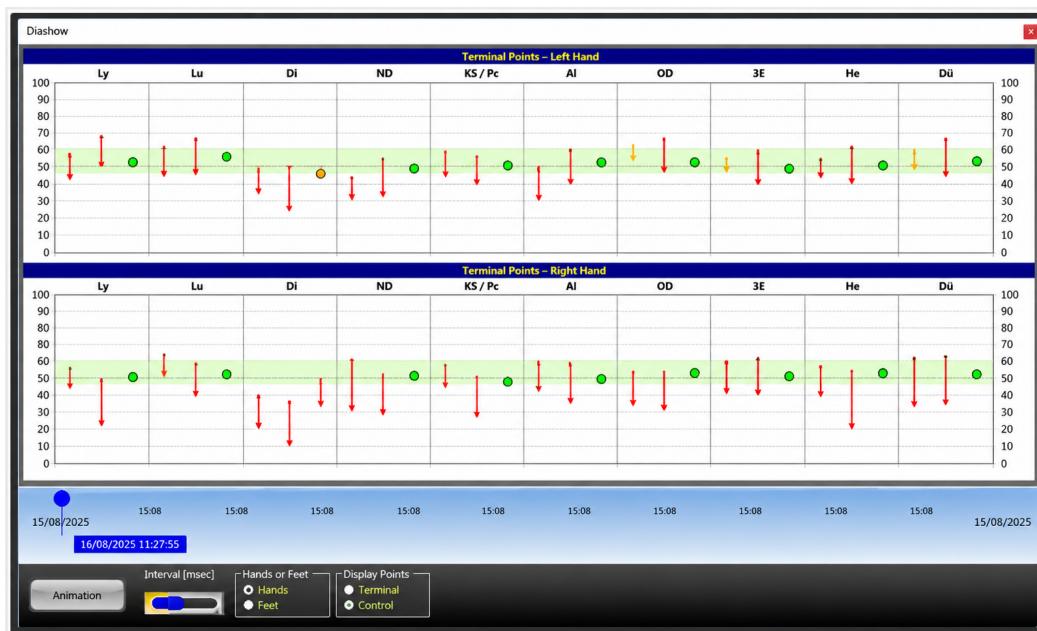
- **H** = heart rate
- **Alpha1** = regenerative capacity
- **SDNN** = regulatory capacity
- **SI** = sympathetic nervous system activity
- **RMSSD** = parasympathetic nervous system activity

Both graphs differ only in the display of the Alpha1 and SDNN columns. Participant R.A., after the first drive without the VFT Car+, showed a significant increase in sympathetic nervous system activity, corresponding to a stress response of the organism. The parasympathetic nervous system (RMSSD) did not counteract this response in the given situation. After the second drive with the VFT Car+ connected, parasympathetic counter-regulation increased by 13%, while sympathetic activity decreased by 18%. Alpha1 activity (regeneration) increased from the baseline pre-drive value of 1.4 to 1.7,

representing an increase of 21%. The SDNN value (regulation) initially decreased from 68.2 to 61.0 and subsequently increased to 63.8 after using the VFT Car+. As a result, the body is able to regenerate, but is not capable of adequate counter-regulation. This result was also repeated during the EAV measurement of the same participant (R.A.).

## Electroacupuncture According to Voll (EAV)

Measurements were performed using the "Holimed Biocheck Pro" device. During stress, electrical resistance along the meridians decreases. In the image (participant R.A.), stress can already be observed at the beginning of the test setup, which increased further after the first 30 minutes of driving without the VFT Car+ (the downward-pointing arrows are longer than in the baseline recording). After connecting the VFT Car+, the values changed significantly and returned to the normal range.



- **First arrow** = beginning of the test setup
- **Second arrow** = after the first drive without the VFT Car+
- **Green dot** = end of the second drive with the VFT Car+

The evaluation shows that regulation after the first drive was worse than at the beginning. The use of the VFT Car+ supported the body in restoring regulation, regeneration, and returning to the "green" (healthy) range.

## Discussion

The Vital Field Transformer Car+ (VFT Car+) neutralizes the effects of electromagnetic fields (EMF) by generating an ionic vital field through the vehicle body. This field neutralizes radiation emitted from sources of electromagnetic fields without affecting the functionality of digital devices.

EMFs can be measured using probes or sensors. Modern measuring instruments offer multifunctional detection with color-coded warning systems and precise sensors capable of detecting not only low-frequency fields but also high-frequency radiation, such as that emitted by 5G networks.

The human body consists of approximately 70–90% water. Polar molecules, such as water molecules, are electrically neutral overall, but carry a partial negative charge on one end and a positive charge on the other.

Electric and magnetic fields act on electrically charged or polar particles, causing them to move. In a high-frequency field, these particles move very rapidly in rhythm with the frequency, generating heat. (17)

In very strong fields, even entire cells may move, subsequently aligning or migrating within the field.

The thermal effect is considered the primary factor responsible for possible health effects of high-frequency fields in humans. Disturbances of metabolic processes, behavioral changes, and even disruptions in embryonic development have been observed. (18)

Since these internal electric fields cannot be measured directly, numerical field simulations and anatomical body models are used, for example. (19)

The harmful effects of technical devices on the body, especially on the nervous system, are well known. EMFs can damage cellular components such as proteins, lipids, and DNA, and they increase the concentration of free radicals, leading to oxidative stress when the antioxidant defense system is unable to eliminate their effects. (14, 15, 16, 20)

Many studies were long based on the assumption that the oxidation state of glutathione indicates whether a cell is healthy or under oxidative stress. However, this assumption has since been disproven. (21)

To determine the stress state of the biological system, the following physiological parameters were documented in this observational study: ECG, oxygen saturation, neurofeedback (blood circulation in the frontal lobe), electroacupuncture according to Voll, respiration, heart rate variability, muscle tone, body temperature, and skin moisture. In addition, a live blood analysis was performed using light microscopy. (22–26)

A reliable marker of autonomic nervous system (ANS) activity is heart rate variability (HRV). (27–29)

An empirically validated method for maximizing HRV and vagus nerve activity is HRV biofeedback (HRVBF). In this process, breathing plays a decisive role because it significantly influences autonomic nervous system activity. (30) According to sports medicine specialists, HRV biofeedback is a proven method for improving athletic performance.

Stress reactions can be objectively monitored through physiological measurements. (31)

Measurement of skin resistance is another method of stress monitoring, providing information about the emotional state.

Electrodes are placed on the fingers and palm.

During stress, sweat glands secrete more sweat, which lowers skin resistance and increases skin conductance.

Increased muscle tone without conscious exertion reflects various conditions such as stress, anxiety, or neurological disorders. (32)

Electroacupuncture was developed in the 1950s by the German physician Reinhold Voll (1909–1989).

According to this method, there are specific acupuncture points along the meridians whose electrical conductivity can be used for both diagnostic and therapeutic purposes.

During stress, electrical resistance along the meridians decreases and the conductivity of the proposed energy pathways increases, with these deviations being measurable. (33)

In accordance with the S3 guideline for complementary medicine in oncology patients (AWMF 032-055OL, version 2.0, May 2024), EAV has not yet achieved full scientific validation; however, its application in dentistry is known. (24–26)

Microscopic blood examinations are precise and comprehensive and play an important role in routine hematological practice. (34, 35)

A variant of light microscopy, known as dark-field microscopy, enables clear differentiation of objects against a dark background. Typical applications include the diagnosis of Lyme disease, syphilis, or tropical infections from blood samples.

Oxidative stress and intracellular burden manifest as cellular deformations that are clearly visible.

Exposure to EMFs increases the production of free radicals and therefore oxidative stress, which was also successfully detected during the study through light microscopy.

From our perspective, this observational study demonstrates that the use of VFT Car+ technology can significantly reduce the potential electromagnetic exposure affecting occupants of battery-electric vehicles (BEVs).

## **Conclusion for Practical Application**

The use of VFT Car+ technology makes it possible to reduce the effects of

electromagnetic fields in battery-electric vehicles (BEVs).

After activation of the VFT Car+, a significant objective as well as subjective improvement was observed in the participants, including measurable physiological parameters.

For completeness, it would be appropriate to conduct additional studies involving other types of drive systems in order to enable comparison and further verification of the effects.

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