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**REPORT NO.3**

**OF THE TESTS OF A SpinTel DEVICE FOR LIVING SYSTEMS  
PROTECTION  
AGAINST ADVERSE INFLUENCE OF ANTENNAS OF MOBILE  
TELEPHONE  
BASE STATIONS**

**Brest – 2005  
France**



The scientific and technical progress increases the relevance of prevention of influence of dangerous technogenic emission on living systems which is related to the operation of various technical facilities, building structure and materials, constructions, the specific character of the artificial dimensional organization of environment and chosen architectural forms. “Magnetic web” and “electromagnetic smog” terms stand for danger overpowering humanity as a kind of pay for civilization achievements. The scope of electromagnetic emission sources in industry, military spheres and means of communication simply cannot be statistically measured.

Technogenic influence which is not taken into account by work safety and sanitary standards quite often correlates with torsional fields appearing as a result of operation of radioelectronic machinery radiating low level broad band electromagnetic fields (antennas of mobile telephone base stations, mobile telephones, monitors of personal computers, television sets, etc.) from working electromechanic and heat energy equipment, transport, etc. Such influence on living systems may cause irreversible damage to their health.

The modern level of knowledge of torsional field interaction laws provides for an opportunity to create and apply devices for living systems protection against dangerous technogenic emission, including torsional emission (Ukrainian Patent No.29839, US Patent No.6,548,752).

A SpinTel protective device is a product of Tellus LLC, France and Spinor International LLC, Ukraine joint production with the partnership of PROSANTEL association, France and is intended for living systems protection against torsional emission of antennas of mobile telephone base stations.

1. Test objective: to record the presence of the adverse influence of torsional emission of antennas of mobile telephone base stations on living systems and define the efficiency of protection of the latter from the mentioned influence using the SpinTel device.

Parties of the tests:

On the part of **France**:

- SARL “Tellus”

**Aleksandr Rusanov**, President of SARL “Tellus”

President of Prosantel association: **Jean Ugan**

On the part of **Ukraine**:

From Spinor International LLC:



**Anatoliy Pavlenko**, Candidate of Technological Science, assistant professor  
**Ruslan Doroshenko**, Assistant Director

The tests were carried out in GAEC DES ROSIERS, 980 LES ETANGS 8220 HADOL farm, France (Photo 1, 2). The farmer referred to SARL “Tellus” company, France in June, 2005.

The farming enterprise was one of the best in the region till 2001. The farmer continually got prizes at national competitions for the best cows. In 2001 he built a new barn equipped in accordance with the last technological achievements. He applied a video control system, automated cow feeding system (each cow has a sensor on a neck strap and depending on the quantity of the given milk a cow receives the appropriate quantity of feed). The new farm is located at a distance of 1.5 km from the old one.

The first problem for the farmer in the new premises was the problem of drinking water for cows. Cows refused to drink water in caterers. The farmer had to deliver water specially in water tanks and it was this water that cows drank. Afterwards, cows developed health complications. In spite of good feeding some cows started to lose weight and weaken (Photo 3, 4) and then died. Over 4 years the farmer lost 50 animals. The veterinary service could not determine the cause of loss of cattle. Repeated examinations and analyses found no deviations.

At that time inexplicable problems with electronic equipment started. The video control camera was repeatedly out of order. Specialists who set the system did not find any cause of the video control camera brake down. Several electronic cards in the automated feeding system were out of order. Every day one or two sensors of milking equipment were out of order during milking operations.

The farmer made different attempts to improve the situation in accordance with the advice of the veterinary service. However, his attempts had no success.

At the request of the farmer investigations were performed and it was determined that problems of the farming enterprise were caused by:

- the farm location in the crossroads of zones of earth crust tension where water circulates,
- the influence of the powerful left torsional field generated by the “surge diverter – tower – antenna of a base station – grounding” system placed at a distance of several kilometers (Photo 5) which the farm undergoes.



Before starting testing the protective device identification of the torsional field generated by the antenna of a mobile telephone base station working within the range of 900 – 1,800 MHz was performed. The presence of the torsional field was recorded using an IGA-1 device produced by Light:2 company, Ufa, Russia, No.0702018, repeated measurements were taken using the similar device No.1002026 belonging SARL “Tellus” company.

The IGA-1 is a supersensitive device for electromagnetic field measuring. It is adjusted to the fixed receiving frequency of the extra long wave range. As the output capacity of the device the integral of phase shift on the receiving frequency is used. The integral of phase shift is measured at the border line of torsional fields and anomalous zones the origin of which is unknown. The spread area of the torsional field generated by the antenna of a mobile telephone base station is determined by repeated defining of torsional field borders from different directions of cardinal points.

The tests included 2 stages:

## **2. Controlling stages:**

- identification of the torsional field generated by the “surge diverter – tower – antenna of a base station – grounding” system.

### **2.1.Setting up the IGA-1 device.**

After switching on the power supply switch and warming-up the device during 3 minutes we check device functioning by smooth approaching of the hand to the antenna of the device at a distance of 5 –10 cm, at the same time, the indicator needle should move from zero to +10 and –10 divisions, after that the needle remains in the off-scale condition.

### **2.2.Operation of the IGA-1 device**

The presence of the emission of antennas of mobile telephone base stations is determined in the following way: after resetting device, orient its antenna towards a supposed source of torsional fields, moving smoothly in the said direction find the position when then the indicator needle stars to deflect. In this way one of the points of the zone with the left torsional field is determined. By frequent repeating of such measurements you can determine the limits of the zone with the left torsional field. Measurements were taken before protective device setting.



Taken measurements proved the fact that animals of the farm are in the zone with the left torsional emission generated by the “surge diverter – tower – antenna of a base station – grounding” system.

Protective devices were set in the special point near the tower of the base station (Photo 6), on the tower of the high voltage line (Photo 7, 8) and the electrical insulating board of the farm.

Repeated measurements taken after setting SpinTel protective devices proved the absence of the left torsional field within the farm limits.

At the same day, after setting protective devices the video camera started working. Electronic cards and sensors of milking equipment stopped being out of order. Cows returned to a normal state. Loss of cattle stopped.

### **Conclusion:**

1. The fact of appearing powerful left torsional fields and their spread to long distances by the “surge diverter – tower – antenna of a base station – grounding” system was experimentally found when the mentioned systems are located in the zones of earth crust tension where water circulates.
2. The fact of presence of detrimental effect of the left torsional fields on living beings and electronic systems caused by the “surge diverter – tower – antenna of a base station – grounding” system was experimentally found.
3. The results of the test showed that the SpinTel device converts the left torsional fields into the right torsional fields thus contributing to favorable effect on living beings and providing the full time operation of electronic equipment.
4. The mentioned SpinTel device may be recommended as a device for elimination negative influence on living beings of the left torsional emission component of the “surge diverter – tower – antenna of a base station – grounding” system.

Reports were registered in the French and Russian languages for SARL “TELLUS” and SPINOR INTERNATIONAL LLC correspondingly.

Photo 1, 2. View on GAEC DES ROSIERS, 980 LES ETANGS 8220 HADOL

Photo 3,4. Animals in the zone of influence of the left torsional fields



Photo 5. The tower of the base station in the region of GAEC DES ROSIERS farm

Photo 6. The **SpinTel** device in the special point near the tower of the base station in the region of GAEC DES ROSIERS farm

Photo 7. A tower segment of the high voltage line in the region of GAEC DES ROSIERS farm

Photo 6. The **SpinTel** device on the tower of the high voltage line in the region of GAEC DES ROSIERS farm.

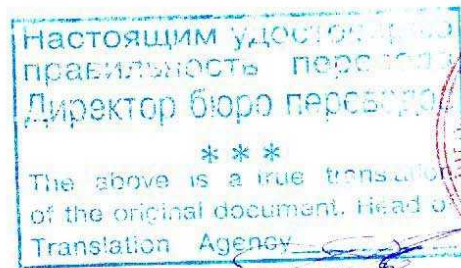




Photo 1.



Photo 2.



Photo 3.



Photo 4.



Photo 5.



Photo 6.

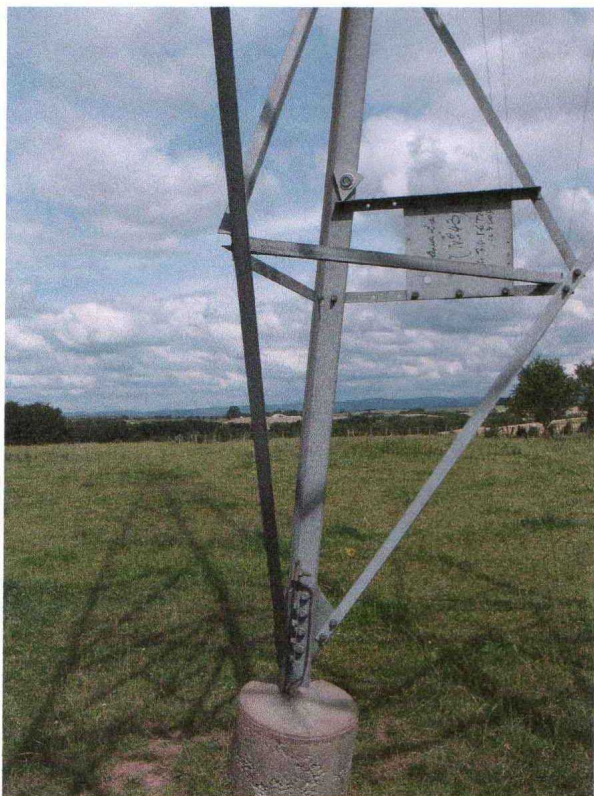


Photo 7.



Photo 8.