



Product Certificate No. 115/2008

Certificate of Quality Conformance

Product Certificate for the the product of the Biological Coherence Technologies GmbH, Austria, to ongoing quality control and to testify the facts stated about:

“AlphaPrevent Technical effect carriers for spatial magnetic field equalization for mobile radio, computer technology and electronic equipment”

The following enclosures constitute substantial parts of the certificate:

1. Product certification (summary)
2. Certification of quality conformance
3. Technical specification of Precision Teslameter 05/40
4. Detail evaluation of test measurement
5. CE Certificate No 113a/2008 and 113b/2008
6. Cover of the patent no. 501845, August 15th 2008

IIREC Dr. Medinger OG is licensed as a Technical Consultants' Office according to Austrian Trade Regulation Act, being entitled to perform measurement, consulting and planning in all branches of environmental technology (with a focus on electromagnetic safety) and to issue documents including plans, reports, expertises and certificates related to this subject. It is member of the Austrian Chamber of Commerce and registered by the Commercial Authority of the City of Graz (Register 601, # 049259, enclosure 7). Moreover, it is member of Austrian Consultants' Association (ACA), European Federation of Engineering Consultancy Associations (EFCA) and International Federation of Consulting Engineers (FIDIC).

Graz, October 21st, 2008



A handwritten signature in black ink, appearing to read 'Walter Medinger', written over a horizontal line.

IIREC's scientific head Dr. Walter Medinger is a sworn and certified expert at court for chemistry and environment including biophysical effects of electromagnetic fields. He is member of Austrian General Association of Sworn and Certified Experts at Court.

IIREC Dr. Medinger OG

Als Mitglied des Fachverbandes vertreten bei



Engineering consultants' office

for electromagnetic protection and environment

International Institute

for research on electromagnetic compatibility

Sworn and certified expert at court

for chemistry and environment including causes of non-thermal effects by pulsed and non-pulsed EM radiation

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1 PRODUCT CERTIFICATION

Product Certificate No. 115/2008
Certificate of Quality Conformance
- Enclosures -

This is to certify that the product

BiCoTec AlphaPrevent Technical foils for spatial magnetic field equalization

is able and appropriate to

equalize gradients of magnetic fields of geological or technical origin,

as tested and proven through

measurements of vertical magnetic flux density with Precision Teslameter 05/40 (enclosure 3) in the DC and ELF range of maximum biological impact.

Specification of effectiveness testing and evaluation procedure:

Measurements are conducted and assessed according to **Field Coherence Pattern (FCP)** procedure including evaluation of **Field Gradient Divergence (FGD)**, **patent No. AT 501845**. FGD values are the most accurate indicators of disturbance in a magnetic field and facilitate a precise localization of biological stress points or zones.

Enclosure 4 gives a detailed example of a test **measurement performed to verify the effect of the equalization foil** on the magnetic field disturbance evoked by a transmitting cellular phone. The test field has a dimension of 0,5 m x 0,5 m, the grid distance between measuring points being 5 cm.

The **maps in enclosure 4 show the measured impact of a product test sample** on the vertical magnetic induction in the test field. Detailed tables of measured values are also given, as well as results of numerical evaluations of the amount of dis-

turbance in the field and the equalization index indicating that the test standard of 1.2 is achieved.

Graz, October 21st, 2008



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2

**CERTIFICATE OF
QUALITY
CONFORMANCE**

Product Certificate No. 115/2008
Certificate of Quality Conformance
- Enclosures -

This is further to confirm that the product

BiCoTec AlphaPrevent Technical foils for spatial magnetic field equalization

complies with the quality standards as defined in the following:

From each lot of production, before delivery a sufficient number of samples is taken to ensure defined quality conformance at a significance level of

P = 95 %.

Preparing for a certification according to ISO 9000, quality control measurements are performed according to:

Standard measurement method FKM 5001 based on patent 501845

Specification of quality testing and evaluation procedure:

Compliance of the index with the following requirements is checked:

Standard FKM 5001	Requirements
Effectiveness reference:	1.0 = 100 % equalization effect
Effectiveness norm:	1.2 = 120 % equalization effect
Maximum allowance:	-0,2

Based on a numerical evaluation of FCP results (in μT) and FGD results (in $\mu\text{T}/\text{m}^2$), an index of equalization is computed for each sample.

Only lots in which all samples pass the test are approved. Each foil can be traced back to the tested lot by means of Charge number.

Graz, October 21st, 2008



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3 PRECISION TESLAMETER 05/40

Product Certificate No. 115/2008
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- Enclosures -

Technical specification of Precision Teslameter 05/40

Kind of measurement	DC, ELF AC
Display	LCD, 3 ½ characters
Amplitude	0 - ± 110 µT
Resolution	0,1 µT
Linearity Deviation	field line parallel to probe axis Display ± 0,5 % with 40 µT (= ± 0,2 µT) Analog output ± 0,2 % of measured value ± 5 nT
Hysteresis	0,005 % of measured value
Temperature coefficient	max. 0,03 % /K (10 to 40 °C)
Zero drift	max. 2 nT /K
Band width -3 dB	0 to 18 Hz
Working temperature	10 °C to 40 °C
Storage temperature	-10 °C to 50 °C
max. relative air moisture	70 % with + 35 °C
Power supply	9 V battery block
Time of operation	ca. 40 hrs.
Analog output:	
Factor	100 µT/ 1 V
Bandwidth	18 Hz
Rise time	< 300 µs
Connector socket	BNC
Inner resistance	400 Ohm
Capacitive load	< 500 pF
Measuring bob:	
Length	140 mm
Diameter	20 mm
Magnetic excentricity	< 2 °
Wire length	1,5 m
Probe	
	Length 22 mm
	Diameter 3 mm





4

FIELD COHERENCE PATTERN (FCP) MEASUREMENT

Product Certificate No. 115/2008
Certificate of Quality Conformance
- Enclosures -

Detailed test measurement evaluation of:

BiCoTec Alpha Prevent

Technical plastic effect carrier for magnetic field equalization

1. GENERAL INTRODUCTION

1.1. From the beginning of cellular radio technology the assumption was that the exclusive effect on the human body would be a heating of body tissue and skin surface. The amount of heating is determined by the specific absorption rate (SAR) of electromagnetic radiation. The more the power of non-ionizing radiation, the stronger the rise in temperature of tissue. Thus, the SAR value has no more significance than to heating of tissue. From an amount of heating of tissue that would be hazardous to health, the maximum tolerable intensity of radiation was derived. Current limit values such as the recommendations of ICNIRP are based on this principle.

1.2. During the introduction of modern radio technologies and the setting of limit values it was neglected that besides RF (radio frequency) and MW (microwave) radiation in the MHz and GHz ranges (millions to billions of field oscillations per second), there are magnetic field effects in the range from 0 to 30 Hz (only some field oscillations per second). In the 0 to 30 Hz range, many body functions are active, among them brain waves. This is called ELF (extremely low frequency) range or, below 3 Hz, sub-ELF range.

1.3. The FCP/FGD-procedure applied here offers a standard measuring and evaluation routine for a precise quantitative determination of ELF and sub-ELF magnetic field disturbances by cellular radio, information technology and electric technology. The procedure is based on a patent filed in 2005 and granted in August 2008 (patent no. AT 501.845).

1.4. Biological effects immediately based on SAR are called thermal effects (heating of body tissue). Effects on the human body independent from radiation power and body heating are denoted as non-thermal effects. If there are bio-effects of magnetic field gradients, they will be non-thermal effects. The test method outlined here is exclusively designed for this kind of non-thermal disturbance.

1.5. Until recently, international concern concentrated on thermal effects. By the year 2007, however, the scope began to shift. Non-thermal effects occurring below legal limits are attracting more attention. This expanded view of the relevant factors of everyday electromagnetic stress was, among others, triggered by the following developments:

1.5.1 European Environmental Agency EEA (Copenhagen) 2007:

EEA prepares acts of the European Parliament and of the European Commission, and gives advice to 27 member states. As a result of evaluation of 2000 studies worldwide, EEA published the international Bioinitiative Report (600 pages). Now, EEA addresses non-thermal effects as primary health risks. Some striking statements are:

- ➔ Following 10 years of cell phoning (1 hour per day), the risk of a brain tumour is raised by 20 % to 200 %.
- ➔ Cellular radiation below legal limits has an impact on human cells. Processes in cells, as well as communication between cells are impaired. Long-term effects such as cancer are possible. Effects of this kind cause the highest concern.
- ➔ The precaution principle calls for immediate action, in order to prevent population from being exposed to this kind of hazard.

1.5.2 WHO 2007: EXTREMELY LOW FREQUENCY FIELDS, Environmental Health Criteria (540 pages): WHO publishes the outcome of worldwide research on health risks from electric and magnetic ELF fields.

1.5.3 April 2008: Declaration of Russian Commission for Non-Ionizing Radiation Protection: Based on evaluation of research in non-thermal effects, the commission urges for application of the precaution principle, i.e. taking preventive measures, e.g. banning cell phone use by children.

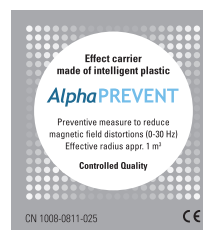
1.5.4 August 2008: Joint international declaration of cancer research centers in USA, France, Italy, Albania, the Netherlands and Monaco: Call for precaution principle based on results in non-thermal effects research. Call for preventive measures, e.g. banning cell phone use by children. 10 point plan recommended for protection of population.

1.5.5 September 2008: Israel Ministry of Health: adopts 10 point plan of international cancer research centers as official governmental recommendation to inhabitants.

1.6. Along these official statements, findings from medical and scientific research on non-thermal effects from ELF magnetic field gradients were published. In this respect, there were significant results awarded the Nobel Prize for Chemistry in 2003. The Nobel laureates had found that the transport of water molecules into cells is based on an electromagnetic mechanism, not on osmosis nor diffusion, as taught before. Further relevant findings showed the cytostatic effect of melatonin being outruled by ELF magnetic fields (WHO 2007).

2. OBJECT OF TEST MEASUREMENTS

The manufacturer (Biological Coherence Technologies GmbH) designs the product AlphaPrevent effect carrier as a means of prevention against stress from ELF and sub-ELF magnetic field distortions in professional and domestic environment. Measurements reported here test the product's ability to equalize diverging magnetic field gradients as factors of non-thermal effects.



The product being tested is a technical plastic effect carrier of some square centimeters

Fig. 1: AlphaPrevent

Following manufacturer's information, the material is polymer and will, within a volume of 1 m³, reduce the divergence of magnetic field gradients in the 0 to 30 Hz range to a measurable amount. Although the polymer foil itself is neither magnetic nor powered by electric current, the manufacturer explains its effect by an impact on electron spins of ambient hydrogen atoms. This process does not consume energy but consists of an energy conserving spin interaction (spin flip-flop process). The ef-

fect has nothing to do with a reduction of radiation power (SAR), thus it is no shielding.

3. MEASUREMENT AND EVALUATION PROCEDURE

The test routine for objective physical determination and judgement of divergence of gradients of electric or magnetic fields was developed to general application within a technology project in Reininghaus Innovation Center (Graz) subsidized by Austrian federal state of Styria. The measurement routine was validated by the Standardization Institute of Israel (SII, accredited according to ISO/IEC 17025). The full diagnostic method was filed for a patent in 2005, and the patent no. AT 501.845 granted in August 2008.

For testing product quality, the patent is applied in the following manner: In a test field of 0,5 m x 0,5 m with 121 measuring points at distances of 5 cm with a defined test source (cellular phone with an open line), the vertical component of magnetic induction is measured with Precision Teslameter 05/

40 in the 0 to 18 Hz range. The mapping of measured and interpolated values is denoted as Field Coherence Pattern (FCP). After application of a test sample of the technical plastic effect carrier on the cellular phone, the measurement is repeated. For both of the measurements, the amount of field disturbance is evaluated as the Field Gradient Divergence FGD.

For a quantitative assessment of product function, the results are evaluated for measuring points with a significant amount of non-thermal disturbance. The proportion of disturbance without test sample to disturbance with test sample is calculated. If there is a local effect of the test sample, the ratio will be > 1 . If the average of this ratio over all measuring points (called the equalization index) amounts to 1.2 at least, the sample is accepted.

Quality testing according to the routine outlined here is performed by the manufacturer and by IIREC International Institute for Research on Electromagnetic Compatibility as an independent test laboratory, as well.

4. EXAMPLE OF TEST MEASUREMENT AND EVALUATION

The test routine comprises the following steps:

4.1 FCP of vertical magnetic induction in the test field. Measurement results in Microtesla (μT) are given in enclosed table 1, column D. Columns B and C contain the coordinates of measuring points.

4.2 FCP in the test field, measured after attaching the technical plastic effect carrier on the active cellular phone. Numerical results are given in table 1, column E.

Fig. 2 **Difference FCP:** The map depicted above represents the difference of measured values (result with test sample minus result without test sample) throughout the test field (coordinate length in meters). The difference values in Microtesla (μT) amount to significant orders of magnitude in the red

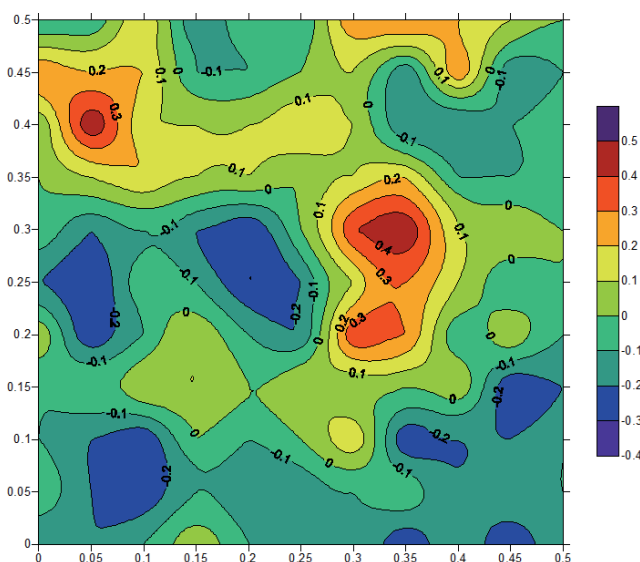


Fig. 2: Difference FCP

and blue coloured areas. This is a first sign of function of the tested sample.

4.3 FGD evaluation of measurement 1. Calculated results in Microtesla/m² for measuring points with significant disturbance are given in table 2, column B. It is this derived quantity that governs non-thermal effects of magnetic field gradients.

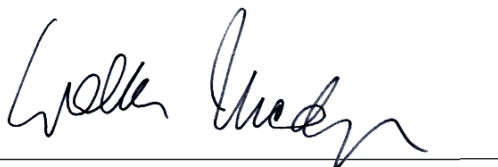
4.4 FGD evaluation of measurement 2. Results are calculated for the measurement with the test sample on the cellular phone in the test field, in the same manner as before, and given in table 2, column C.

4.5 Calculation of equalization index: For FGD values (amounts of disturbance) at measuring points with significant disturbance, the ratio of values without and with test sample is calculated.

The average of these ratios is 1.23, rounded to 1 significant decimal position this equals to the standard of 1.2. So, the test is passed by the test sample.

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Graz, October 21st, 2008



Walter H. Medinger, M.Sc., Ph.D.

Scientific head of IIREC

Sworn and certified expert at court

Table 1: Results of FCP measurements

Table 2: Results of FGD evaluations

Table 1: Results of FCP measurements

Meas.point no.	Coordinates		Meas. value in μT	
	x (m)	y (m)	without sample	with sample
0	0,00	0,00	40,8	40,6
1	0,05	0,00	40,7	40,5
2	0,10	0,00	40,7	40,6
3	0,15	0,00	40,6	40,7
4	0,20	0,00	40,6	40,5
5	0,25	0,00	40,6	40,5
6	0,30	0,00	40,6	40,5
7	0,35	0,00	40,4	40,1
8	0,40	0,00	40,4	40,3
9	0,45	0,00	40,3	40,0
10	0,50	0,00	40,0	39,9
11	0,00	0,05	40,9	40,9
12	0,05	0,05	40,9	40,7
13	0,10	0,05	41,0	40,7
14	0,15	0,05	40,9	40,8
15	0,20	0,05	40,9	40,7
16	0,25	0,05	40,9	40,7
17	0,30	0,05	40,8	40,7
18	0,35	0,05	40,6	40,6
19	0,40	0,05	40,5	40,3
20	0,45	0,05	40,3	40,2
21	0,50	0,05	40,2	40,1
22	0,00	0,10	41,0	40,9
23	0,05	0,10	41,0	40,8
24	0,10	0,10	41,2	40,9
25	0,15	0,10	41,0	41,0
26	0,20	0,10	41,1	41,0
27	0,25	0,10	41,0	41,0
28	0,30	0,10	40,8	41,0
29	0,35	0,10	41,2	40,9
30	0,40	0,10	40,9	40,7
31	0,45	0,10	40,8	40,6
32	0,50	0,10	40,5	40,4
33	0,00	0,15	41,1	41,0
34	0,05	0,15	41,2	41,2
35	0,10	0,15	41,1	41,2
36	0,15	0,15	41,2	41,3
37	0,20	0,15	41,4	41,4
38	0,25	0,15	41,5	41,6
39	0,30	0,15	41,4	41,4
40	0,35	0,15	41,1	41,1
41	0,40	0,15	40,8	40,9
42	0,45	0,15	40,8	40,5
43	0,50	0,15	40,7	40,5
44	0,00	0,20	41,2	41,3
45	0,05	0,20	41,4	41,1
46	0,10	0,20	41,4	41,3
47	0,15	0,20	41,6	41,7
48	0,20	0,20	42,4	42,3
49	0,25	0,20	42,9	42,7
50	0,30	0,20	41,9	42,3
51	0,35	0,20	41,3	41,6
52	0,40	0,20	41,1	41,0
53	0,45	0,20	40,9	41,0
54	0,50	0,20	40,9	40,8
55	0,00	0,25	41,5	41,3
56	0,05	0,25	41,7	41,4
57	0,10	0,25	41,6	41,6
58	0,15	0,25	42,2	42,1
59	0,20	0,25	44,2	43,9
60	0,25	0,25	46,9	46,7
61	0,30	0,25	44,6	44,7
62	0,35	0,25	41,9	42,2
63	0,40	0,25	41,3	41,4
64	0,45	0,25	41,2	41,1
65	0,50	0,25	41,0	41,0
66	0,00	0,30	41,5	41,5
67	0,05	0,30	41,7	41,5
68	0,10	0,30	41,7	41,6
69	0,15	0,30	42,4	42,2
70	0,20	0,30	44,6	44,3
71	0,25	0,30	48,1	48,1
72	0,30	0,30	45,4	45,8
73	0,35	0,30	42,3	42,8
74	0,40	0,30	41,7	41,8
75	0,45	0,30	41,3	41,4
76	0,50	0,30	41,3	41,3
77	0,00	0,35	41,6	41,6
78	0,05	0,35	41,8	41,9
79	0,10	0,35	42,0	42,2
80	0,15	0,35	42,2	42,3
81	0,20	0,35	42,9	43,0
82	0,25	0,35	44,0	44,0
83	0,30	0,35	43,2	43,3
84	0,35	0,35	42,2	42,4
85	0,40	0,35	42,0	41,9
86	0,45	0,35	41,7	41,6
87	0,50	0,35	41,6	41,5
88	0,00	0,40	41,9	41,9

89	0,05	0,40	41,7	42,2
90	0,10	0,40	42,1	42,2
91	0,15	0,40	42,3	42,4
92	0,20	0,40	42,4	42,5
93	0,25	0,40	42,4	42,6
94	0,30	0,40	42,5	42,6
95	0,35	0,40	42,3	42,1
96	0,40	0,40	42,1	41,9
97	0,45	0,40	42,0	41,9
98	0,50	0,40	41,8	41,8
99	0,00	0,45	42,0	42,3
100	0,05	0,45	42,3	42,5
101	0,10	0,45	42,4	42,6
102	0,15	0,45	42,5	42,4
103	0,20	0,45	42,6	42,5
104	0,25	0,45	42,5	42,5
105	0,30	0,45	42,4	42,5
106	0,35	0,45	42,6	42,4
107	0,40	0,45	42,1	42,4
108	0,45	0,45	42,2	42,0
109	0,50	0,45	42,0	41,9
110	0,00	0,50	42,3	42,2
111	0,05	0,50	42,6	42,5
112	0,10	0,50	42,5	42,7
113	0,15	0,50	42,8	42,6
114	0,20	0,50	42,8	42,8
115	0,25	0,50	42,9	42,8
116	0,30	0,50	42,7	43,0
117	0,35	0,50	42,4	42,7
118	0,40	0,50	42,4	42,6
119	0,45	0,50	42,3	42,4
120	0,50	0,50	42,1	42,1

Table 2: Results of FGD evaluations

Meas.point no.	Disturbance in mT/m2	
	without sample	with sample
1	0,35	0,05
2	0,30	0,05
3	0,30	0,00
4	0,45	0,55
5	0,20	0,00
6	0,40	0,10
7	0,50	0,50
8	0,55	0,75
9	0,40	0,30
10	0,30	0,30
11	0,25	0,25
12	0,35	0,10
13	0,40	0,00
14	0,80	0,55
15	0,30	0,25
16	0,35	0,05
17	0,55	1,05
18	3,90	3,70
19	5,75	5,80
20	0,30	0,50
21	0,90	0,60
22	0,60	0,00
23	1,30	0,60
24	1,15	0,90
25	1,70	2,15
26	0,65	0,80
27	0,35	0,25
28	0,25	0,20
29	0,70	0,10
30	0,40	0,10
31	0,95	0,85
32	1,00	0,50
33	0,50	0,25
34	0,60	0,05
35	0,35	0,15
36	0,35	0,25
37	0,45	0,35
38	0,30	0,10
39	0,35	0,30
40	0,20	0,30
41	0,35	0,10
42	0,20	0,30
43	0,50	0,50
44	0,40	0,30
45	0,30	0,50
46	0,25	0,30
47	0,45	0,35
48	0,20	0,20
49	0,20	0,25

Index 1,232



CE Certificate No. 113a/2008

CE Conformity

This is to certify that the product:

**“AlphaPrevent Technical effect carrier
for spatial magnetic field equalization”**

manufactured by Biological Coherence Technologies GmbH, Schloss Herbersdorf 51, A-8412 Allerheiligen, Austria,

according to DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive 89/336/EEC, complies with the standards:

EN 55022:2006: Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement.

EN 55024:1998: Information technology equipment - Immunity characteristics - Limits and methods of measurement.

The test was finished by EMC TestHaus Dr. Schreiber GmbH, Siegen (accredited according to ISO/IEC 17025, DAR Reg.No. DAT-P-236/97-03) on September 01, 2008, for the application of the equipment with a HP 530 notebook regarding immunity and radio disturbance. The test was passed on all points. Thereof the test report 15/42-1 was issued on September 8, 2008.

The manufacturer is thus entitled to affix the CE conformity marking to the equipment or else to the packaging, instructions for use or guarantee certificate.

The product is subject to ongoing quality control by the International Institute for Research on Electromagnetic Compatibility (IIREC Dr. Medinger OG – Engineering consultants' office for EM protection and environment).

Graz, October 10th, 2008



A handwritten signature in black ink, appearing to read 'Walter Medinger', written over a horizontal line.

IIREC's scientific head Dr. Walter Medinger is a sworn and certified expert at court for chemistry and environment including biophysical effects of electromagnetic fields. He is member of Austrian General Association of Sworn and Certified Experts at Court

IIREC Dr. Medinger OG

Als Mitglied des Fachverbandes vertreten bei



**Engineering
consultants' office**

for electromagnetic protection
and environment

International Institute

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electromagnetic compatibility

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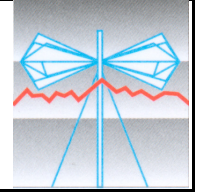
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TEST OBJEKT: RMA-Wirkträger auf GSM Telefon

geprüft und beurteilt auf

Elektromagnetische Verträglichkeit

Zielsetzung:

Beurteilung der Auswirkungen auf die bestehenden EMV Eigenschaften eines GSM Telefons

Ergebnis:

gemäß EN301489-7 (V1.2.1.) Emission, Störfestigkeit bleiben die EMV ANFORDERUNGEN bleiben erfüllt: JA

Auftraggeber **Biological Coherence Technologies GmbH**

Herr Wolfgang Homann

Schloss Herbersdorf 51

A-8412 Allerheiligen

**EMC TestHaus Dr. Schreiber GmbH, Siegen
EMC Testlabor akkreditiert nach ISO/IEC 17025
DAR Reg.No. DAT-P-236/97-03**

Tel: 0271 382702

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Dr.-Ing. Dieter Schreiber
Geschäftsführer

Dipl.-Ing. Christoph Haubrich
Geschäftsführer, Testlabor

Eingangsdatum: 29. Aug. 2008

Test beendet am: 01. Sep. 2008

Verteilungsdatum: 14. Sep. 2008

Die **auszugweise** Vervielfältigung des Berichtes ist nur mit schriftlicher Genehmigung gestattet.



CE Certificate No. 113b/2008

CE Conformity

This is to certify that the product:

**“AlphaPrevent Technical effect carrier
for spatial magnetic field equalization”**

manufactured by Biological Coherence Technologies GmbH, Schloss Herbersdorf 51, A-8412 Allerheiligen, Austria,

according to DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive 89/336/EEC, complies with the standards:

EN 301 489-7 V1.2.1: Electromagnetic compatibility and Radio spectrum Matters (ERM) — ElectroMagnetic Compatibility (EMC) standard for radio equipment and services — Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS).

The test was finished by EMC TestHaus Dr. Schreiber GmbH, Siegen (accredited according to ISO/IEC 17025, DAR Reg.No. DAT-P-236/97-03) on September 01, 2008, for the application of the equipment with a GSM cellular telephone regarding immunity and radio disturbance. The test was passed on all points. Thereof the test report 15/42-2 was issued on September 14, 2008.

The manufacturer is thus entitled to affix the CE conformity marking to the equipment or else to the packaging, instructions for use or guarantee certificate.

The product is subject to ongoing quality control by the International Institute for Research on Electromagnetic Compatibility (IIREC Dr. Medinger OG – Engineering consultants' office for EM protection and environment).



Graz, October 10th, 2008

A handwritten signature in black ink, appearing to read 'Walter Medinger', written over a horizontal line.

IIREC's scientific head Dr. Walter Medinger is a sworn and certified expert at court for chemistry and environment including biophysical effects of electromagnetic fields. He is member of Austrian General Association of Sworn and Certified Experts at Court

IIREC Dr. Medinger OG

Als Mitglied des Fachverbandes vertreten bei



**Engineering
consultants' office**

for electromagnetic protection
and environment

International Institute

for research on
electromagnetic compatibility

**Sworn and certified
expert at court**

for chemistry and environ-
ment including causes of non-
thermal effects by pulsed and
non-pulsed EM radiation

contact:

Hofgasse 6

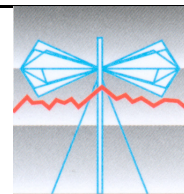
A-8010 Graz

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Internet: www.iirec.at



TEST OBJEKT: **RMA-Wirkträger auf Notebook HP 530**

geprüft und beurteilt auf

Elektromagnetische Verträglichkeit

Zielsetzung:

Beurteilung von Auswirkungen auf die bestehenden EMV Eigenschaften eines Notebooks

Ergebnis: Die EMV ANFORDERUNGEN bleiben erfüllt:

gemäß

EN55022 (2006)

Emission

Ja

EN55024 (1998)

Störfestigkeit

Ja

Auftraggeber

**Biological Coherence Technologies GmbH
Herr Wolfgang Homann**

Schloss Herbersdorf 51

A-8412 Allerheiligen

**EMC TestHaus Dr. Schreiber GmbH, Siegen
EMC Testlabor akkreditiert nach ISO/IEC 17025
DAR Reg.No. DAT-P-236/97-03**

Tel: 0271 382702

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Dr.-Ing. Dieter Schreiber
Geschäftsführer

Dipl.-Ing. Christoph Haubrich
Geschäftsführer, Testlabor

Eingangsdatum: 29. Aug. 2008

Test beendet am: 01. Sep. 2008

Verteilungsdatum: 08. Sep. 2008

Die **auszugweise** Vervielfältigung des Berichtes ist nur mit schriftlicher Genehmigung gestattet.