

WORLD HEALTH ORGANIZATION  
INTERNATIONAL AGENCY FOR RESEARCH ON CANCER



# IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS

**VOLUME 80**  
**NON-IONIZING RADIATION, PART 1:**  
**STATIC AND EXTREMELY LOW-FREQUENCY**  
**(ELF) ELECTRIC AND MAGNETIC FIELDS**

2002  
IARC*Press*  
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**IARC MONOGRAPHS**

ON THE

**EVALUATION OF CARCINOGENIC**

**RISKS TO HUMANS**

*Non-Ionizing Radiation, Part 1:  
Static and Extremely Low-Frequency  
(ELF) Electric and Magnetic Fields*

VOLUME 80

This publication represents the views and expert opinions  
of an IARC Working Group on the  
Evaluation of Carcinogenic Risks to Humans,  
which met in Lyon,

19–26 June 2001

2002

## IARC MONOGRAPHS

In 1969, the International Agency for Research on Cancer (IARC) initiated a programme on the evaluation of the carcinogenic risk of chemicals to humans involving the production of critically evaluated monographs on individual chemicals. The programme was subsequently expanded to include evaluations of carcinogenic risks associated with exposures to complex mixtures, life-style factors and biological and physical agents, as well as those in specific occupations.

The objective of the programme is to elaborate and publish in the form of monographs critical reviews of data on carcinogenicity for agents to which humans are known to be exposed and on specific exposure situations; to evaluate these data in terms of human risk with the help of international working groups of experts in chemical carcinogenesis and related fields; and to indicate where additional research efforts are needed.

The lists of IARC evaluations are regularly updated and are available on Internet: <http://monographs.iarc.fr/>

This project was supported by Cooperative Agreement 5 UO1 CA33193 awarded by the United States National Cancer Institute, Department of Health and Human Services, and was funded in part by the European Commission, Directorate-General EMPL (Employment, and Social Affairs), Health, Safety and Hygiene at Work Unit. Additional support has been provided since 1993 by the United States National Institute of Environmental Health Sciences.

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Distributed by IARC*Press* (Fax: +33 4 72 73 83 02; E-mail: [press@iarc.fr](mailto:press@iarc.fr)) and  
by the World Health Organization Marketing and Dissemination, 1211 Geneva 27  
(Fax: +41 22 791 4857; E-mail: [publications@who.int](mailto:publications@who.int))

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### **IARC Library Cataloguing in Publication Data**

Non-ionizing radiation, Part 1, Static and extremely low-frequency (ELF)  
electric and magnetic fields/IARC Working Group on the Evaluation of  
Carcinogenic Risks to Humans (2002 : Lyon, France)

(IARC monographs on the evaluation of carcinogenic risks to humans ; 80)

1. Carcinogens – congresses 2. Neoplasms, non-ionizing radiation-induced,  
part 1 – congresses I. IARC Working Group on the Evaluation of  
Carcinogenic Risks to Humans II. Series

ISBN 92 832 1280 0

(NLM Classification: W1)

ISSN 1017-1606

PRINTED IN FRANCE