

Catalog of EPRI Publications from Program 60: EMF/RF Health Assessment and Safety Research



The widespread introduction in the 1970s of electric transmission operating at voltages greater than 230 kilovolts (kV) also ushered in concern among some segments of the public that potential health effects resulting from the electric and magnetic fields (EMFs) produced by the lines were insufficiently investigated. Since the founding of the Electric Power Research Institute (EPRI) in 1973, its research portfolio has included a robust program that addresses these issues. The more recent expansion of technologies that produce radio-frequency (RF) environments associated with electric utility workers and their work sites (for example, line mechanics climbing near panel antennas) prompted EPRI's EMF health research program in 2002 to add a component concerned with the safety of RF environments. The further advent of new smart grid technologies (for example, smart meters), the growth of renewable resources (for example, photovoltaic solar) and electric transportation, and other advances (for example, adjustable speed drives) has catalyzed the program to conduct a number of environmental field characterizations and to closely monitor the health science areas concerned with RF environments.

This report is a directory to key EPRI literature that has been produced over the years. It includes detailed technical reports, overview documents designed to offer a review of a subject

area to a readership with diverse interests, and EPRI commentaries on important studies.

Organized by topical area, this reference allows quick access to a library of relevant information. To reach a specific document, click on the topic (right) that you want to access. An abstract of each publication is also available; just click on a report title or go to www.epri.com and search on the report number.

Topical Index	Page
Epidemiology: Occupational	1
Epidemiology: Residential	2
EPRI Comments	2
Exposure Assessment: Dosimetry	3
Exposure Assessment: Instrumentation	3
Exposure Assessment: Occupational	3
Exposure Assessment: Residential and Community	4
Laboratory Research	5
Safety: Dosimetry and Occupational	5
Software and Media	6
Miscellaneous	7

INFORMATION

Epidemiology: Occupational

Radio-Frequency Fields and Cancer: A Summary of Epidemiologic Studies	★ 1013317	2006
EMF and Alzheimer's Disease	★ 1011713	2005
EMF and Amyotrophic Lateral Sclerosis	★ 1005493	2002
Female Breast Cancer Feasibility Study: A Comparison of Magnetic Field Exposures in a Garment Manufacturing Facility and Electric Utility Work Environments	★ TR-114845	2000
Epidemiologic Study of Electric Utility Workers Exposed to Magnetic Fields: Volumes 1-2	★ TR-105765-V2	1996
Association of Wire Code Configuration With Long-Term Average 60-Hz Magnetic Fields and Exposure: Volumes 1 and 2	★ TR-104656-V2	1995
Leukemia in Telephone Linemen	★ TR-101813	1993

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TOPIC	PUBLISHING INFORMATION	
Epidemiology: Residential		
TransExpo: International Study of Childhood Leukemia and Residences Near Electrical Transformer Rooms	★ 3002001085	2013
A Pilot Study of Pregnancy Outcome, Physical Activity and Magnetic Field Exposure	1025386	2012
TransExpo: International Study of Childhood Leukemia and Residences Near Electrical Transformer Rooms	★ 1019901	2010
Electric and Magnetic Field Exposure and Childhood Brain Cancer	1019019	2009
Pilot Study for the Replication of the Draper Study of Leukemia, Brain Tumors, and Distance to Power Lines in California	1014939	2008
Exposure to EMF and the Risk of Miscarriage	★ 1016816	2008
Childhood Leukemia	★ 1011716	2006
The Sensitivity of Children to EMF Exposure: Proceedings of the 2004 EPRI-Cosponsored World Health Organization Workshop	★ 1011147	2004
Association of Residential Magnetic Fields with Contact Voltage: Measurements in 191 Denver Area Homes	★ 1005569	2003
EMF and Miscarriage: Proceedings of the 2002 Palo Alto Workshop	★ 1008151	2003
Selection Bias in Epidemiological Studies of EMF and Childhood Leukemia: Proceedings of the 2001 Whistler Workshop	★ 1008149	2003
Childhood Leukemia: Role of Magnetic Field Exposure in Tumor Relapse and Survival	★ 1005415	2001
EMF and Childhood Leukemia: EMF Brief	★ 1006698	2001
The Use of Automatic Wire Coding to Evaluate Control Selection Bias in the Savitz et al. Study	★ TR-108044	1998
Childhood Cancer Risk, Wire Codes, and Residential Environment and Lifestyle Factors	★ TR-106376	1997
Exposure to Residential Electric and Magnetic Fields and Risk of Childhood Leukemia	★ TR-104528	1995
The EMDEX Project: Residential Study, Volume 1: Summary	★ TR-104325-V1	1995
The EMDEX Project: Residential Study, Volume 2: Project Description and Results	★ TR-104325-V2	1995
The EMDEX Project: Residential Study, Volume 3: Appendices	★ TR-104325-V3	1995
Assessment of Children’s Long-Term Exposure to Magnetic Fields (The Enertech Study)	★ TR-101407	1992
Future Epidemiologic Studies of Health Effects of Electric and Magnetic Fields	★ TR-101175	1992
EPRI Comments		
EPRI Comments on a Danish Case-Control Study of Residential Proximity to High-Voltage Power Lines and Childhood Leukemia	3002002488	2013
EPRI Comments on a Study of Mobile Phones and Adult Central Nervous System Tumors in the United Kingdom	★ 3002001730	2013
EPRI Comments on a French Study of Residential Proximity to High-Voltage Power Lines and Childhood Leukemia	★ 3002001504	2013
EPRI Comments on the BioInitiative 2012 Report	★ 3002000701	2013
EPRI Comments: A Perspective on Two Smart Meter Memoranda	★ 1024952	2012
EPRI Comment: Sage Report on Radio-Frequency (RF) Exposures from Smart Meters	★ 1022639	2011
EPRI Comments on a Study of Maternal Exposure to Extremely Low Frequency Magnetic Field during Pregnancy and Asthma in the Offspring	★ 1023631	2011
EPRI Comments on a Pooled Analysis of Extremely Low Frequency Magnetic Fields and Childhood Brain Tumors	★ 1021667	2010
EPRI Comments on a Pooled Analysis of Extremely Low Frequency Magnetic Fields and Childhood Leukemia	★ 1022369	2010
EPRI Comments on a Study of Power-Frequency Magnetic Fields and Childhood Brain Tumors in Japan	★ 1021272	2010
EPRI Comments on a UK Case-Control Study of Magnetic Fields from High Voltage Power Lines and Childhood Cancer	★ 1022370	2010

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TOPIC	PUBLISHING INFORMATION		
EPRI Comments (continued)			
EPRI Comments on INTERPHONE: An International Study of Mobile Phone Use and Brain Tumors	★ 1021368	2010	
EPRI Comments on Swedish Study of PCB Accumulation Beneath AC Power Lines	★ 1020733	2010	
EPRI Comments on a Study of Maternal Occupational Magnetic Field Exposure and Childhood Brain Cancer	★ 1018872	2009	
EPRI Comments on a Study of Spatial Clustering of Childhood Cancer	★ 1019374	2009	
EPRI Comments on a Meta-Analysis of Studies of Residential Magnetic Field Exposure and Childhood Brain Cancer	★ 1018127	2008	
EPRI Comments on a Study of Residence near Power Lines and Mortality from Neurodegenerative Diseases	★ 1018449	2008	
EPRI Comments on Updated Meta-Analyses of Studies of Occupational Electric and Magnetic Field Exposure and Leukemia and Brain Cancer	★ 1018128	2008	
EPRI Comments on a Study of Extremely Low Frequency EMF from Personal Digital Assistants (PDAs)	★ 1015228	2007	
EPRI Comments on a Study of Magnetic Field Exposure and Childhood Leukemia Survival in Germany	★ 1015231	2007	
EPRI Comments on a Study of Magnetic Fields and Leukemia in Children with Down Syndrome	★ 1014750	2007	
EPRI Comments on a Study of Occupational Magnetic Field Exposure and Alzheimer's Disease	★ 1015351	2007	
EPRI Comments on an Analysis of Nighttime Magnetic Field Exposure and Childhood Leukemia	★ 1015230	2007	
EPRI Comments on the WHO Environmental Health Criteria for Extremely Low Frequency EMF	★ 1015266	2007	
EPRI Comments: The BioInitiative Working Group Report – A Review	★ 1016233	2007	
EPRI Comments on a Study of Cellular Telephone Use and Cancer Risk	★ 1014699	2006	
EPRI Comments on a Study of Childhood Leukemia and Magnetic Fields in Japan	★ 1013251	2006	
EPRI Comments on a Study of Parental Electric and Magnetic Field and Heat Exposure and Childhood Brain Tumor Risk	★ 1014392	2006	
EPRI Comments on Two Studies of Peak Magnetic Field Exposure and Mobility	★ 1013160	2006	
Exposure Assessment: Dosimetry			
Program on Technology Innovation: A New Dosimetric Basis for RF Exposure Compliance Assessment	★ 1013312	2007	
Numerical Computation of Human Dose Due to 50/60-Hz Fields: Data Set Documentation	★ 1005195	2001	
Exposure Assessment: Instrumentation			
Program on Technology Innovation: Evaluation of Radio Frequency (RF) Dosimeters for Health Studies	★ 1025388	2012	
An Evaluation of Electric Field Exposure Measurements Using the Positron Meter	★ TR-111555	1998	
Exposure Assessment: Occupational			
A Review of the European Union's Directive on Limiting Exposure of Workers to Electromagnetic Fields	3002001604	2013	
Electric and Magnetic Field Exposure Levels (0 to 3 GHz) in Occupational Environments near Photovoltaic Energy Generation Facilities	1023797	2012	
Use of a Geographic Mapping Tool in Power Line Routing for RF Hazard Identification: A Feasibility Evaluation	1023107	2011	
Overview of Electron Microscope Interference	1021218	2010	
Characterization of Magnetic Fields from Power Distribution Transformers	1019010	2009	
Integrated Job Exposure Matrix for Electric Utility Workers	1019011	2009	
Measured Breakdown Voltage and Leakage Current of Line Worker Boots	1019012	2009	
Medical Devices: Electromagnetic Interference Status and the Role of Standards	1017989	2009	
Overview of Personal Radio Frequency Communication Technologies	1019020	2009	
Electromagnetic Interference with Implanted Medical Devices: An Update	1016815	2008	

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TOPIC	PUBLISHING INFORMATION	
Exposure Assessment: Occupational (continued)		
Evaluation of Electric Field Exposure Assessment Methods	1016817	2008
RF Safety and Wireless Technology in the Electric Power Industry	★ 1016951	2008
Introduction to Radio Frequency Measurements	★ 1012568	2006
Overview of Wireless Facilities for the Electric Power Industry	1011722	2005
Analyses of Magnetic-Field Peak-Exposure Summary Measures	★ 1008152	2003
Numerical Evaluation of 60-Hz Magnetic Induction in the Human Body in Complex Occupational Environments	★ TR-112460	1999
Exposure Assessment: Residential and Community		
Program on Technology Innovation: EPRI Workshop on Radiofrequency Exposure Assessment	3002001652	2013
Evaluation of Smart Phone Apps Used to Measure AC Magnetic Fields	3002001136	2013
Alternative Exposure Metrics and Health	3002001134	2013
Electric and Magnetic Fields Associated with Electric Vehicle Charging: EMF from EV Charging	3002001128	2013
Use of Transmission Line Easements for the Benefit of Native Bees	3002001125	2013
EPRI Workshop on EMF and Aquatic Life	3002000477	2013
A Survey of the Urban RF Environment	★ 1025393	2012
Consumer-Grade Radio-Frequency (RF) Exposure Meters	★ 1025387	2012
Electric and Magnetic Field Exposure Levels (0 to 3000 Hz) near Residential Photovoltaic Energy Generation Facilities	★ 1023795	2012
Electric and Magnetic Fields from 1 to 100 kHz Measured in Electric Vehicles	★ 1023796	2012
Wireless Devices: A Survey of Federal Communications Commission Equipment Authorization Database	★ 1025389	2012
Characterization of Radio Frequency Emissions From Two Models of Wireless Smart Meters	1021829	2011
A Survey of Extremely Low Frequency Magnetic Fields Associated with Electric Vehicles	1021125	2010
An Investigation of Radiofrequency Fields Associated with the Itron Smart Meter	1021126	2010
EPRI Appliance Measurement Study	1020862	2010
Magnetic Fields from Electrical Appliances and Devices	1021221	2010
Structural Steel Attenuation of External Magnetic Fields in Buildings	1014858	2007
Program on Technology Innovation: Analyses of International T&D Systems with the Contact Voltage Modeler (CVM) Program	★ 1013310	2006
Charging and Transport of Aerosols near AC Transmission Lines: A Literature Review	★ 1008148	2003
An Overview of Common Sources of Environmental Levels of Radio Frequency Fields	★ 1005496	2002
History of Residential Grounding	★ 1005490	2002
Modeling of the Different Mechanisms of Contact Voltage Generation That Involve the Residential Electrical, Plumbing, and Drain Systems	★ 1005414	2002
Association of Wire Code Configuration with Long-Term Average 60-Hz Magnetic Fields and Exposure: Data Set Documentation	★ 1000738	2000
Association of Wire Code Configuration with Long-Term Average 60-Hz Magnetic Fields and Exposure	★ TR-111767	1998
Studies of Residential Transients and Wire Configuration Codes	★ TR-105984	1997
Residential Transient Magnetic Field Research	★ TR-103470	1994
Measurement of Power System Magnetic Fields by Waveform Capture	★ TR-100061	1992

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Exposure Assessment: Residential and Community (continued)		
Electric and Magnetic Field Exposure Associated With Electric Blankets	★ TR-100180	1991
AC Field Exposure Study: Human Exposure to 60-Hz Electric Fields	★ EA-3993	1985
Laboratory Research		
Effects of a 60 Hz Magnetic Field of up to 50 mT on Human Neuromotor Control: An EEG/EMG/Tremor Study	3002001142	2013
Progress Report: The Development of a Mouse Model of Pediatric Acute Lymphoblastic Leukemia	1021219	2010
Animal Models in Cancer Research	1019018	2009
A Perspective on In Vitro Approaches to Environmental Leukemogenesis in Children	★ 1008159	2004
Conceptual Design of an Enclosure to Expose Mice to 60-Hz Contact Currents	★ 1007713	2003
Possible Genotoxic Effects of EMF	★ 1008147	2003
Numerical Computation of Human and Rodent Dose Due to 50/60-Hz Field and Current Sources: Data Set Documentation	★ 1005488	2002
Leukemia/Lymphoma in Mice Exposed to 60-Hz Magnetic Fields: Results of the Chronic Exposure Study, Second Edition	★ TR-110338-R1	1999
Biochemical and Hormonal Evaluation of Pineal Glands Exposed in Vitro to Magnetic Fields	★ TR-111913	1998
Effects of Electromagnetic Field Stimulation on Cellular Signal Transduction Mechanisms: Analyses of the Effects of Low Frequency Electromagnetic Fields on Calcium “Spiking” in ROS 17/2.8 Cells on Calcium “Spiking” in ROS 17/2.8 Cells	★ TR-109489	1998
Magnetite-Based Biological Effects in Animals: Biophysical, Contamination, and Sensory Aspects	★ TR-111901	1998
Developmental Toxicology Study in Rats Exposed to 60-Hz Horizontal Magnetic Fields	★ TR-108946	1997
Evaluation of the Possible Copromoting Effect of a 60 Hz Magnetic Field during Chemically Induced Carcinogenesis in Skin of SENCAR Mice	★ TR-109471	1997
Large Granular Lymphocytic (LGL) Leukemia in Rats Exposed to 60 Hz Magnetic Fields: Results of the Second Study Using Continuous and Intermittent Fields	★ TR-109469	1997
Large Granular Lymphocytic (LGL) Leukemia in Rats Exposed to 60-Hz Magnetic Fields: Results of the First Study Using Continuous Fields	★ TR-106014	1997
Leukemia/Lymphoma in Mice Exposed to 60-Hz Magnetic Fields: Preliminary Studies and Protocol	★ TR-108064	1997
Real-Time Studies on the Calcium Response of Cells to Low Level, Extremely Low Frequency, Electric Field Exposure	★ TR-109488	1997
Melatonin Levels in Continuous Magnetic Fields	★ TR-106178	1996
Testing EMF for Potential Carcinogenic Activity: A Critical Review of Animal Models	★ TR-105880	1996
Large Granular Lymphocytic (LGL) Leukemia in Rats Exposed to 60-Hz Magnetic Fields: Preliminary Studies and Protocol	★ TR-104577	1995
A Critical Review of the Genotoxic Potential of Electric and Magnetic Fields	★ TR-102115	1994
Small Animal Electric and Magnetic Field Exposure Systems	★ TR-103194	1993
The Effects of Electric and Magnetic Fields on Transcription in Cultured Human Cells	★ TR-102860	1993
Safety: Dosimetry and Occupational		
Causes and Effects of Microshocks Under Transmission Lines	3002001150	2013
Electric and Magnetic Field Exposure During Live Line Work	3002001148	2013
Electromagnetic Interference and Implantable Medical Devices – An Update and Future Perspective	3002001140	2013

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Safety: Dosimetry and Occupational (continued)		
Radio Frequency Safety Programs in Electric Utility Companies	1021222	2010
Electromagnetic Interference with Implanted Medical Devices	★ 1005205	2009
Radiofrequency Burns in the Workplace	1015627	2008
Clinical Effects of Electric Shock	1014940	2007
A New Dosimetric Basis for RF Exposure Compliance Assessment	★ 1014048	2007
Characterizing Contact Current and Nuisance Shocks in the Workplace	★ 1011718	2006
Electromagnetic Interference With Implanted Medical Devices: 1997-2003	1005570	2004
Development of Radio Frequency Exposure Standards	★ 1009803	2004
Evaluation of Radio Frequency Measurement Instruments in Strong Extremely Low Frequency Fields and High Voltage Protective Hoods in Strong Radio Frequency Fields	★ 1008156	2003
Assessment of Compliance with Magnetic Field Guidelines in the Electric Utility Industry	★ 1005489	2002
Radio Frequency Safety for the Electric Power Industry	1005419	2002
Electric and Magnetic Field Guideline Evaluation	★ 1005449	2001
Susceptibility of Implanted Pacemakers and Defibrillators to Interference by Power-Frequency Electric and Magnetic Fields	★ TR-108893	1997
Software and Media		
EPRI Radio Frequency Exposure Estimator (RF Estimator) Version 2.5	3002001144	2013
Electric and Magnetic Fields (EMF) Workstation 2013	3002001126	2013
Electric and Magnetic Fields Workstation (EMF Workstation) 2012	1023794	2012
EMF Educational Training Video Series	1025384	2012
EPRI Radio Frequency Exposure Estimator Version 2.0	1024802	2012
Electric and Magnetic Fields Workstation (EMFW) 2011	1021734	2011
EMF Educational Training Video Series Part 3	1023121	2011
EMF Workstation 2011 and EMF Workstation Instructional DVDs	1024738	2011
EMF Educational Training Video Series, Part 2: Background and Fundamentals of Research	1022425	2010
EMF Educational Series, Part I: EMF Basics; The Power System; EMF Exposure	1019009	2009
EMF Exposure and Dosimetry Archive	1019008	2009
EMF Measurement Video Tutorial on DVD	1018334	2008
EMF Workstation Instructional – 2 DVD set	1018310	2008
Introduction to Radio Frequency Measurements DVD	1014933	2008
EPRI Contact Current Meter: User Manual	★ 1005487	2002
Electric and Magnetic Field Management Reference Book: First Edition	AP-114200	1999
EPRI EMF Exposure Database: University of North Carolina (UNC) Electrical Utility Worker Data Set	★ TR-111315	1998
EPRI EMF Exposure Database: Electrical Workers Data Set	★ TR-107061	1996
EPRI EMF Exposure Database: EMDEX Occupational Study Data Set	★ TR-107058	1996
EPRI EMF Exposure Database: SCE Utility Workers Data Set	★ TR-107060	1996
EPRI EMF Exposure Database: Telephone Line Workers Data Set	★ TR-107059	1996

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Miscellaneous		
Environmental and Potential Health Effects of High Voltage Direct Current Transmission Lines	1025385	2012
EMF and Your Health	★ 1023105	2011
Radio Frequency Burn Mechanisms: Investigations into the Radiofrequency Burn Phenomenon	1017991	2009
EMF Exposure Guideline Research: An Electric Power Industry Priority	★ 1016953	2008
Why a Viable EPRI EMF Program Is Essential	★ 1016952	2008
Written Technical Communication: A Primer	1014949	2007
Decision Analysis: An Introduction	★ 1006580	2002

For more information, contact the EPRI Customer Assistance Center at 800.313.3774, (askepri@epri.com).

Technical contact: Rob Kavet, Senior Technical Executive, 650.855.1061, rkavet@epri.com

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Electric Power Research Institute

3420 Hillview Avenue, Palo Alto, California 94304-1338 • PO Box 10412, Palo Alto, California 94303-0813 USA
800.313.3774 • 650.855.2121 • askepri@epri.com • www.epri.com

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