

|  <b>Electromagnetic Fields (EMF) Protection</b> |  |                                   |   |  |   |
|--|--|-----------------------------------|---|--|---|
| Country #1   | <b>Finland</b>   |                                   |   |  |   |
| EMF protection #2  | Yes  |                                   |   |  |   |
| Instrument type #3   | Decision   | Act                               | Decision  | Ordinance  | Instruction   |
| Instrument coverage #4   | National   |                                   |   |  |   |
| Title of Instrument #5   |  |                                   |   |  |   |
| a.   | Decision No 473/85 on high-frequency equipment and control thereof | Radiation Protection Act (592/91) | Decision on limiting exposure to non-ionising radiation (1474/91) | Ordinance on non-ionising radiation control (EU Council Recommend., 1999/519/EY) | Instruction 9.2: pulse radar safety   |
| b.   |  |                                   |   |  | Instruction 9.3: safe practices when working on frequency modulation and television masts |
| Issued by whom? #6   | Council of Ministers   | Government                        | Ministry of Social Affairs and Health                             | Ministry of Social Affairs and Health  | Radiation Protection Centre   |
| Issued when? #7  | 1985   | 1991                              | 1991  | 2002   | a. 1991<br>b. 1993  |
| Is there a revision pending? #8  | No   | No                                | Yes, 2002   | No   | No  |
| Are the limits based on  | No   | N/A                               | Yes   | Yes  | N/A   |

|   |  |   |   |   |                   |
|---|--|---|---|---|-------------------|
| ICNIRP? #9  |  |   |   |   |                   |
| Compliance #10  | Mandatory  | Mandatory   | Mandatory   | Mandatory   | Voluntary         |
| If mandatory - how is compliance verified? #11        | Decree by the Ministry on surveillance of non-ionising radiation, by Radiation Protection Centre |   |   |   |                   |
| Group protected #12                                   | Occupational   | Public and occupational                                 | Occupational  | Public  | N/A               |
| Frequency range covered #13                           | 100 kHz - 300 GHz  |   | 100 kHz - 300 GHz                                       | 0 Hz - 300 GHz  | 100 kHz - 300 GHz |
| Quantities #14  | Reference levels   | Basic restriction and reference levels                  | Basic restriction and reference levels                  | Basic restriction and reference levels                  |                   |
| Basic restriction quantities #15                      | N/A  | SAR   | SAR   | SAR, power density, current density                     | N/A               |
| SAR details #16                                       |  |   |   |   |                   |
| a. averaging time                                     |  | 6 minutes   | 6 minutes   | 6 minutes   |                   |
| b. averaging mass                                     |  | 10 g  | 10 g  | 10 g  |                   |
| c. measurement method                                 |  |   |   |   |                   |
| Reference level quantities #17                        | RMS electric and magnetic field strength, power density  | RMS electric and magnetic field strength, power density | RMS electric and magnetic field strength, power density | RMS electric and magnetic field strength, power density |                   |
| Measurement method for reference level quantities #18 | No.  |   |   |   |                   |
| Multiple frequency exposure #19                       | No.  | No.   | No.   | Yes.  | No.               |
| Pulsed field exposure #20                             | No.  | No.   | No.   | Yes.  | No.               |
| Contact   | Ministry of Social Affairs and Health, Department of Preventive Social and                       |   |   |   |                   |

|                                     |   |
|-------------------------------------|---|
| details #21                         | Health Policy, Helsinki, Finland  |
| Request for limit data #22          |   |
| EMF handbook for general public #23 | <ol style="list-style-type: none"><li>1. Title: Electromagnetic fields in the work environment - Guidance for occupational exposure assessment</li><li>2. Publisher: Finnish Institute of Occupational Health</li><li>3. Publishing Year: 2002</li><li>4. Number of Pages: 48</li><li>5. Basis on WHO handbook?: No</li><li>6. Language: English</li><li>7. Contact for free copies: <a href="mailto:maila.hietanen@ttl.fi">maila.hietanen@ttl.fi</a></li></ol> |

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*Last Updated on 12-Nov-2003  
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