

2.03 International RF Protection Guidelines

The table below includes both enforceable regulatory standards, and precautionary guidelines that have been recommended by international scientific advisory groups. It is an overview only, and does not include all frequencies, types of environment, countries, or organizations.

Selected International Guidelines for General Population Exposure

Country or Organization	Thermal	Non-thermal	Regulatory	Advisory	Power Density uW/cm ²	Field Strength V/m
US FCC - OET Bulletin 65 (1900 MHz)	X		X		1000	61.4
Canada - Canadian Safety Code 6 (1900 MHz)	X		X		1000	61.4
ICNIRP ¹ Much of Western Europe, other countries (1900 MHz)	X		X		950	59.8
Italy ²		X	X		9.5	6.0
Russia, China, Poland ³		X	X		10	6.1
Switzerland ⁴		X	X		4.3 - 9.5	4.0 - 6.0
Salzburg Resolution ⁵ (non-pulsed signals)		X		X	10	6.1
Salzburg Resolution ⁵ (pulsed signals)		X		X	0.1	0.6
Ecolog-Institut ⁶ (Germany, 2000)		X		X	1	1.9
The BioInitiative Working Group ⁷		X		X	0.1	0.6

References for Section 2.03

1. International Commission for Non-Ionizing Radiation Protection (functions under the auspices of the World Health Organization).
<http://www.icnirp.de/PubEMF.htm>
2. Decree No. 381 of the Italian Ministry of the Environment, 10 September 1998. (Decreto 10 settembre 1998 n.381). Applies to fields from fixed (permanently installed) communications antennas, and in locations used for stays of 4 hours or more.
www.ambiente.it/impresa/legislazione/leggi/1998/dm381-98.htm
3. Foster, K. 2001. *Exposure Limits for Radiofrequency Energy: Three Models*. Proceedings of the Eastern European Regional EMF Meeting and Workshop. Varna, Bulgaria : 28 April - 3 May 2001.
http://www.who.int/peh-emf/meetings/en/day2Varna_Foster.pdf
4. Ordinance regarding protection against non-ionising radiation (NISV), Swiss Federal Council, 23 December 1999.
[For sensitive use areas: schools, hospitals, residential areas. Level is frequency dependent.]
5. International Conference on Cell Tower Siting. 2000. *Salzburg Resolution*. Salzburg, Austria, June 7-8, 2000.
Resolution and Signatories: http://www.salzburg.gv.at/salzburg_resolution_e.pdf
Summary: [http://www.salzburg.gv.at/proceedings_\(01\)_title_and_summary.pdf](http://www.salzburg.gv.at/proceedings_(01)_title_and_summary.pdf)
Full proceedings, access to individual papers: http://www.salzburg.gv.at/celltower_e
6. ECOLOG-Institut. 2000. *Mobile Telecommunications and Health - Review of the current scientific research in view of precautionary health protection*. [Scientific review commissioned by T-Mobil (DeTeMobil Deutsche Telekom MobilNet GmbH).]
Summary: <http://www.hese-project.org/hese-uk/en/niemr/ecologsum.php>
Full Report: <http://www.hese-project.org/hese-uk/en/papers/ecolog2000.pdf>
7. The BioInitiative Working Group. 2007. *BioInitiative Report: A Rationale for a Biologically-based Public Exposure Standard for Electromagnetic Fields ELF and RF*.
Website: <http://www.bioinitiative.org/>
Full Report: <http://www.bioinitiative.org/report/docs/report.pdf>