



Report on the overall process of management on EMF from base stations

Mattia Vaccarono, Sara Adda, Laura Anglesio

Policies regarding EMF from base stations and broadcast antennas in Italy

State government level

Environment and health protection system: limits and general policies

Telecommunication network and services: rules about administrative procedures, authorisation procedures, services improvement, frequency use (Ministry for economic development)

Regional level

Defines competences of Regional government and of Municipalities in EMF issue
Specifies Arpa role
Define administrative procedures

Municipality level

Authorization of new BTS/antennas and of changes in existing plants

Arpa advice after comparison with exposure limits



Italian regulations applied to the issue:

FRAMEWORK LAW N.36/2001

fundamental principles aimed at ensuring the protection of health, the protection of the environment and the landscape and to promote scientific research for the evaluation of long-term effects of EMF.

IMPLEMENTING DECREE 07/08/2003

Sets the EMF exposure limits, attention limit and quality goal

REGIONAL LAW 19/2004

Regional regulation on protection against exposure to electric, magnetic and electromagnetic fields



FRAMEWORK LAW N.36/2001

In relation to telecommunication installations, the state government has to:

1. Set the **exposure limits**, attention values, quality goals
2. Establish the **national registry** of EMF sources
3. Identify **measurement techniques** for emf exposure assessment
4. Defines the parameters for recovery plans (when limits are exceeded)



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Exposure limits

Frequency interval	E (V/m)	H (A/m)
0.1 – 3 MHz	60	0.2
3 – 3000 MHz	20	0.05
3 – 300 GHz	40	0.01

Not to be exceeded in any point and on any 6 minutes time interval

Attention values

0.1MHz – 300GHz

E - 6 V/m (24 hours average)
H - 0.016 A/m (24 hours average)

Not to be exceeded on any 24 hours time interval, inside and outside buildings where people can stay more than 4 hours/day

Quality goals

0.1MHz – 300GHz

E - 6 V/m (24 hours average)
H - 0.016 A/m (24 hours average)

Not to be exceeded on any 24 hours time interval, in intensely frequented areas (for leisure/sporting/healthcare use)