

SHORT REPORT RELATED TO NATIONAL ACTIVITIES ON HEALTH EFFECTS OF ELECTROMAGNETIC FIELDS

New policies and legislations regarding EMF exposure :

The regulating institution on Communication Technologies (BTK) is a special department that works on measuring the field intensities. The institution follows the most recent guideline stated on the International Committee on Non-ionizing Radiation Protection. The Ministry of Environment and The Ministry of Transportation, Maritime Activities and Communication have published regulations based on ICNIRP Standards and regulations.

New legislation of The Ministry of Transportation, Maritime Activities and Communication is under preparation and is planned to be issued within the next months. According to this legislation the limits for public exposure to the electromagnetic fields will be such as;

Frekans Aralığı (MHz)	E- alan şiddeti (V/m)		H- Alan şiddeti (A/m)	
	Tek cihaz için sınır değeri	Ortam için sınır değeri	Tek cihaz için sınır değeri	Ortamın toplam sınır değeri
0,010-0,15	19,3	65,25	1,1	3,75
0,15-1	19,3	65,25	0,16/f	0,54/f
1-10	$19,3/f^{1/2}$	$65,25/f^{1/2}$	0,16/f	0,54/f
10-400	6,2	21	0,016	0,054
400-2 000	$0,305f^{1/2}$	$1,03 f^{1/2}$	$0,00082 f^{1/2}$	$0,0027 f^{1/2}$
2 000-60 000	13,5	45,75	0,035	0,12

f= frekans (MHz)

Under Preparation and what is new;

- 4,5 G internet technology has been started to be used in the beginning of the 2016
- The Ministry of Health is working on new regulations about;

- Recommendation of prohibiting the advertisements which help increasing the cell-phone usage under 7 year-old children.
- Prohibiting mobile phone sellers to make promotions for increasing the usage of cell-phones by children who are <7.
- Selling mobile phones including SAR values in their boxes and taking the signature of the consumers for the informed consent forms (These forms include the information of healthy usage of mobile phones)
- Prohibiting the sales of the mobile phones which are above the limit SAR values determined by Ministry of Communications and Maritime Affairs
- Ministry of Communications and Maritime Affairs has implemented a new project which allows the public to learn the electromagnetic field measurements around their dwellings by using their ID numbers via web page of Institution on Communication Technologies ((<http://ema-olcum.btk.gov.tr/>)
- Ministry of Labor and Social Security is working on the EU Directive on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents(2013/35/EU) and it is planned to be adopted to our regulations until the end of 2017.
- Cancer Statistics from all around Turkey which are taken from 81 active registry centers are reported routinely on the Cancer Control Department's (of Turkish Ministry of Health) web page (www.kanser.gov.tr), and these statistics also include the data of meningioma, glioma etc., the tumours which are mostly under debate in the non-ionising electromagnetic fields issue.
- New scientific evidence and reports are shared with the public both by Cancer Control Department's web- page and mass media.