

Een ge-update overzicht van de stralingsnormen in België.  
 Uit de laatste 'officiële' sites voor Vlaanderen, Brussel en Wallonië.  
 Met dank aan Christine Duchateau

We have different exposure limits for Flanders, Brussels and Wallonie and depending on the frequencies used.

**For Flanders :** <http://www.lne.be/themas/milieu-en-gezondheid/zendantennes/normen>

3 V/m per antenna at 900MHz for residential areas (homes, schools, hostitals....)  
 with a cumulative maximum 20,6 V/m at 900MHz for all fixed antenna (10 MHz – 10 GHz)

This limit varies with frequency (see table)

Per antenna :

frequentie antenne (MHz)	Elektrische Veldsterkte (V/m)	voorbeeld van toepassing
800	2,8	4G
900	3	2G/3G
1800	4	2G/4G
2100	4,5	3G
2400	4,5	WiFi
2600	4,5	4G
3500	4,5	Wimax (draadloos internet)
5200	4,5	WiFi

Cumulative :

frequentie antenne (MHz)	Elektrische Veldsterkte (V/m)	voorbeeld van toepassing
380	14	Astrid (communicatie hulpdiensten)
800	19	4G
900	21	2G/3G
1800	29	2G/4G
2100	31	3G
2400	31	WiFi
2600	31	4G
3500	31	Wimax (draadloos internet)
5200	31	WiFi

This limit per antenna is not valid for other antennas like :

- telecommunication in aviation, railway(gsm-r netwerk) and navigation;
- radarsystems;
- the ASTRID-network for emergency and security services
- military applications ;

- radio- and television ;
- radioamateurism.

The cumulative limits do include these antennas, but not mobile phones, dect wifi....

**For Brussels** : 6 V/m at 900 MHz, cumulative for antennas with frequencies between 0,1 MHz and 300 GHz for all public places, for :

- telecommunication (GSM, UMTS, 4G...) and mobile internet (Wimax, Wifi...);
- antennas for
  - telecommunication in aviation, railway(gsm-r network) and navigation;
  - the ASTRID-network for emergency and security services
  - military applications ;

Mobile phones, Wifi, Dect and antennas of radioamateurism and for radio and television not included.

<http://www.leefmilieubrussel.be/Templates/Particuliers/Niveau2.aspx?id=12228&langtype=2067>

**For Wallonie** there is a decrete to limit all radiofrequencies to 3 V/m per antenne. No cumulative limits and only for residential areas (schools, hospitals...) not for roads, parcs, pubs,...) [http://www.ejustice.just.fgov.be//mopdf/2009/05/06\\_1.pdf#Page117](http://www.ejustice.just.fgov.be//mopdf/2009/05/06_1.pdf#Page117)

Oh yes, we really are a very complicated country !

Woldwide it is even a bigger mess.

Are some organisms locally more sensitive than others or are these limits just set in function of the local telecom needs?