

**Agreement between the National IT and Telecom
Agency, Denmark and the Swedish Post and Telecom
Agency**

**concerning the use of the 800 MHz-band
(790-862 MHz) for terrestrial systems**

March 2011

1. Principles and definitions

- 1.1. The 800 MHz-band, as referred to in this agreement, covers the frequencies from 790 MHz to 862 MHz.
- 1.2. The agreement covers the use of the band in accordance with Commission Decision 2010/267/EU of 6 May 2010, including the use of Block Edge Masks and the use of Frequency Division Duplex (FDD) arrangements. The use of other arrangements such as Time Division Duplex (TDD) is not covered in this agreement.
- 1.3. This agreement is based on the concept of field strength levels.
- 1.4. This agreement covers the co-ordination of base stations. The user equipment, or terminals, are allowed to be used on a non interference basis, in accordance with ITU RR 4.4.
- 1.5. For the purpose of this agreement the border of Denmark and Sweden respectively is defined as the coastline, excluding the islands of Flakfortet, Middelgrund, Peberholm and Saltholm in Denmark and excluding the island of Ven in Sweden.

2. Use of frequencies without co-ordination

- 2.1. Denmark may use the 800 MHz-band without co-ordination with Sweden, if the predicted mean field strength produced by a base station does not exceed **54 dB(μ V/m/5 MHz)** at a height of 1.5 m above the ground at the Swedish border or beyond.
- 2.2. Sweden may use the 800 MHz-band without co-ordination with Denmark, if the predicted mean field strength produced by a base station does not exceed **54 dB(μ V/m/5 MHz)** at a height of 1.5 m above the ground at the Danish border or beyond.
- 2.3. In case of using technologies with other channel bandwidths (BW) than 5 MHz, the predicted mean field strength E shall be adjusted by the following factor in comparison with E_0 as mentioned above:

$$E = E_0 + 10\log(BW/5), \text{ where BW is measured in MHz}$$

3. General

- 3.1. Establishment of agreements between operators shall be encouraged to the extent possible. Subject to agreement between operators other technical characteristics can be used, i.e. other field strength limits or propagation models.

- 3.2. Any case of interference shall as far as possible be resolved among operators concerned. If not resolved, or in case of unequal access to the spectrum band assistance might be sought from the administrations.
- 3.3. The field strength values in this agreement are based on a receiving antenna height of 1.5 m, 10% of the time and 50% of the locations.
- 3.4. The latest version of ITU-R P.1546 ” Method for point-to area predictions for terrestrial services in the frequency range 30-3000 MHz” shall be used.

4. Relation with GE06 (Genève 2006 Agreement)

- 4.1. Until 31. December 2012 this agreement is supplemented by a separate agreement concerning protection of broadcasting.

5. Revision and cancellation

- 5.1. This agreement may be revised or cancelled as desired by one of the administrations with a notice of six months.

6. Enter into force

- 6.1. This agreement shall come into effect from date of signature.
- 6.2. This agreement has been drawn in two identical copies, one for Denmark and one for Sweden.

Place

Place

Date

Date

For the National IT and Telecom
Agency, Denmark

For the Swedish Post and
Telecom Agency

Per Christensen
Head of Technical Division

Urban Landmark
Director of Spectrum Markets

Department