

1800 MHz Auction

**Award of frequencies in the frequency bands
1720.1-1785.0 MHz and 1815.1-1880.0 MHz**

Information Memorandum

Annex I

**Coordination Agreement between Denmark
and Sweden concerning the 1800 MHz
frequency band**

June 2016

Issued by

Danish Energy Agency

Denmark

www.ens.dk

*Draft agreement between
the National IT and Telecom Agency, Denmark
and
the National Post and Telecom Agency, Sweden
concerning the use of the frequency bands
1710 - 1785 / 1805 - 1880 MHz*

2011

*Draft agreement between the National IT and Telecom Agency, Denmark
and the National Post and Telecom Agency, Sweden concerning the use of the
frequency bands 1710 - 1785 / 1805 – 1880 MHz*

Section 1 – Use of frequencies from 1. January 2012

1. Use of frequencies

- 1.1 Denmark may use the frequency bands 1805 – 1815 MHz, 1825 – 1835 MHz, 1845 – 1855 MHz, 1870 – 1880 MHz without coordination with Sweden, if the field strength produced by a transmitter does not exceed 42 dB μ V/m/200 kHz at the Swedish coastline.
- 1.2 Sweden may use the frequency bands 1815 - 1825 MHz, 1835 – 1845 MHz, 1855– 1870 MHz without coordination with Danmark, if the field strength produced by a transmitter does not exceed a value of 42 dB μ V/m/200 kHz at the Danish coastline.
- 1.3 Denmark may use the frequency bands 1815 - 1825 MHz, 1835 – 1845 MHz, 1855– 1870 MHz without coordination with Sweden, if the field strength produced by a transmitter does not exceed 25 dB μ V/m/200 kHz at the Swedish coastline.
- 1.4 Sweden may use the frequency bands 1805 – 1815 MHz, 1825 – 1835 MHz, 1845 – 1855 MHz, 1870 – 1880 MHz without coordination with Danmark, if the field strength produced by a transmitter does not exceed 25 dB μ V/m/200 kHz at the Danish coastline.
- 1.5 Sweden and Denmark may use their non-preferential frequency bands without co-ordination for transmitters with a maximum output power of 20 dBm using non-directional antennas and limited to indoor use.

Section 2 – General

1. Establishment of agreements between operators shall be encouraged to the extent possible. Subject to agreement between operators on other technical characteristics can be used, i.e. other field strength limits or propagation models.
2. For this agreement only, the coastline of Denmark is defined as excluding the islands of Middelgrund, Flakfortet, Saltholm and Peberholm and the coastline of Sweden shall be defined as excluding the island of Ven.
3. The above mentioned field strength values are to be calculated at a receiving antenna with height of 1.5 m and for 50 % of time and 50 % of location.
4. Countries shall use the propagation curves as included in the ECC Recommendation (05)08 for field strength calculations relating to this agreement.

5. A complaint in case of interference shall be based on the median values of measurements of field strength performed at least two occasions over a range of at least 100 m of the tangent of the wave propagation of an interfering base station. Measurements of field strength shall refer to the coastline.
6. Any case of interference should as far as possible be resolved among operators concerned. If not resolved, or in case of unequal access to the frequency band (e.g. one operator being inhibited from planning coverage in a certain area) assistance might be sought from the administrations.

Section 3 – Revision and cancellation

1. This agreement may be revised or cancelled as desired by one of the administrations with a notice of three months.
2. In case this agreement is cancelled and new one is not reached co-ordination procedure will be based on ECC recommendation (05)08.

The Agreement will enter into force on 1. January 2012.

For the National IT and Telecom Agency
Denmark
15. June 2011

For Post and Telecom Agency
Sweden
~~June 2011~~
8 August


Robert Lindgaard


Urban Landmark