

Agreement

Between the National Post and Telecom Agency, PTS, Sweden

and

Finnish Communications Regulatory Authority, Ficora

Concerning the use of the frequency band 27.5-29.5 GHz

2009

Agreement between the National Post and Telecom Agency, Sweden and the Finnish Communications Regulatory Authority concerning the use of the frequency band 27.5-29.5 GHz .

Section 1 – Use of channels

- 1.1 Finland may use its preferential frequencies without coordination with Sweden, if the spectral power flux density of every single carrier produced by a base station does not exceed $-132 \text{ dBW}/(\text{MHz}/\text{m}^2)$ at the receiving antenna height of 20 meters above ground/sea level at a distance of 15 kilometer and beyond (from Zone S) in Sweden.
- 1.2 Sweden may use its preferential frequencies without coordination with Finland, if the spectral power flux density of every single carrier produced by a base station does not exceed $-132 \text{ dBW}/(\text{MHz}/\text{m}^2)$ at the receiving antenna height of 20 meters above ground/sea level at a distance of 15 kilometer and beyond (from Zone F) in Finland.
- 1.3 Finland may use its non-preferential frequencies without coordination with Sweden, if the spectral power flux density of every single carrier produced by a base station does not exceed $-132 \text{ dBW}/\text{MHz}/\text{m}^2$ at the receiving antenna height of 20 meters above ground/sea level at Zone S.
- 1.4 Sweden may use its non-preferential frequencies without coordination with Finland, if the spectral power flux density of every single carrier produced by a base station does not exceed $-132 \text{ dBW}/\text{MHz}/\text{m}^2$ at the receiving antenna height of 20 meters above ground/sea level at Zone F.
- 1.5 The division into preferential frequencies are listed in Annex 1. Channel numbering is in accordance with ERC/DEC/(00)09.

Section 2 – General

- 2.1 The power flux densities shall be calculated for 20 % of the time on the basis of the most recent version of the ITU-R Recommendation P.452.
- 2.2 A power flux density exceeding the above mentioned shall be coordinated with the other administration.
- 2.3 For this agreement the Zones referred to in the following paragraphs are defined in Annex 2.

Section 3 – Revision and cancellation

- 3.1 This agreement may be revised or cancelled as desired by one of the administrations with a notice of one year.
- 3.2 Existing and planned stations may continue to operate even if the agreement is cancelled or revised.

Section 4 – Enter into force

- 4.1 This agreement shall be in force from 1st of June 2009.

This agreement has been drawn up in two identical copies, one for Finland and one for Sweden.

Stockholm, ... May 2009

Helsinki, 15th of May 2009



Urban Landmark

Swedish Post and Telecom Agency, PTS
Spectrum Markets Department



Kirsi Karlamaa

Finnish Communications Regulatory
Authority

**Division into preferential frequencies
in part of the band 27.5-29.5 GHz**

28 MHz channels center frequencies			
Channel #	Lower band Base TX	Upper band Base RX	Preferential channels
15	27954.5	28962.5	Sweden
16	27982.5	28990.5	Finland
17	28010.5	29018.5	Sweden
18	28038.5	29046.5	Finland
19	28066.5	29074.5	Sweden
20	28094.5	29102.5	Finland
21	28122.5	29130.5	Sweden
22	28150.5	29158.5	Finland
23	28178.5	29186.5	Sweden
24	28206.5	29214.5	Finland
25	28234.5	29242.5	Sweden
26	28262.5	29270.5	Finland
27	28290.5	29298.5	Sweden
28	28318.5	29326.5	Finland
29	28346.5	29354.5	Sweden
30	28374.5	29382.5	Finland
31	28402.5	29410.5	Sweden
32	28430.5	29438.5	Finland

In Finland

Zone F

At Åland:

- A line between Norrskär (60° 32' 24" N, 20° 12' 30" E), Ådskär (60° 21' 03" N, 19° 31' 17" E), Västerön (60° 14' 17" N, 19° 28' 30" E), Askö (59° 59' 20" N, 19° 59' 19" E) and Kalskär (59° 47' 51" N, 20° 57' 50" E)

At Vasa:

- A line between Mickelsöarna (63° 28' 30" N, 21° 44' 40" E), Lappöarna (63° 22' 03" N, 21° 11' 00" E) and Bergö (62° 58' 41" N, 21° 06' 59" E)

At Uleåborg:

- Hailuoto (65° 02' 23" N, 24° 33' 04" E)

The land border between Sweden and Finland.

In Sweden

Zone S

-At the coast of Uppland and Stockholm archipelago.

-A line between the lighthouse Argos, Simpenäs klubb, Söderarm, Svenska högarna and Huvudskär.

- The land border between Finland and Sweden.