

AGREEMENT

between the Telecommunication Administration of the Russian Federation
and the Telecommunication Administration of Norway
On Use of the Frequency Bands 1920-1980 MHz and 2110-2170 MHz
by Land Mobile Service Stations in Border Areas

Oslo, 10 July 2015

Preamble

In accordance with Article 6 of the ITU's Radio Regulations, the Telecommunication Administration of the Russian Federation and the Telecommunication Administration of Norway, hereinafter, the Parties, acting with a view to preventing mutual interference and optimizing the use of frequency spectrum, enter into this Agreement on the Use of the Frequency Bands 1920-1980 MHz and 2110-2170 MHz by Land Mobile Service Stations in Border Areas.

1. The Principles

1.1. This Agreement is based on ERC Recommendation 01-01.

1.2. This Agreement is based on the concept of coordination field strength threshold levels and the concept of preferential and non-preferential code groups for UMTS systems.

1.3. The Parties' preferential code groups for UMTS systems are shown in Annex 1 to this Agreement.

1.4. Base stations shall use the frequency band 1920-1980 MHz for receiving radio signals and the frequency band 2110-2170 MHz for transmitting radio signals. User stations shall use the frequency band 1920-1980 MHz for transmitting radio signals and the frequency band 2110-2170 MHz for receiving radio signals.

2. Use of Frequency Bands without Coordination

2.1. Either Party may use the frequency bands 1920–1980 MHz and 2110–2170 MHz for UMTS stations without coordination with the other Party if one of the following criteria is met:

- preferential codes and aligned center frequencies are used;
- non-aligned center frequencies are used;
- the other Party uses systems other than UMTS.

The average field strength of each carrier produced by a cell shall not exceed the threshold of 65 dB μ V/m/5MHz on the land border at a height of 3 meters above ground and 37 dB μ V/m/5MHz 6 km into the neighboring state's territory.

For Norwegian stations located east of the line that is defined by the points with the coordinates (69N33'00" 30E11'00") and (70N32'18" 30E38'09"), the average field strength produced by a cell does not exceed the threshold of 47 dB μ V/m/5MHz on the land border and, in the point in the cold sea with the coordinates (70N08'30" 31E35'00"), does not exceed the value 65 dB μ V/m/5MHz (the points mentioned above are shown in Annex 2).

2.2. Either Party may use the frequency bands 1920–1980 MHz and 2110–2170 MHz by UMTS stations without coordination with the other Party if they use non-preferential codes with aligned center frequencies and if the average field strength of each carrier produced by a cell does not exceed 37 dB μ V/m/5MHz at a height of 3 meters above ground level on the border line between the states.

3. General

3.1. If the field strength exceeds the levels in Articles 2.1 and 2.2 of this Agreement, the frequency assignment must be coordinated with the other Party.

3.2. The relevant coordination request shall contain the information specified in Annex 5 to ERC Recommendation 01-01. The coordination request format shall be consistent with the ITU Radiocommunication Bureau's Circular No. CR/118 dated 31 March 1999.

3.3. Coordination of a frequency assignment shall not take more than 65 days from the date of receipt of the coordination request by e-mail and/or by fax. If no reply is received during that period, the requesting Party shall send a reminder stating that the coordination request review period has expired. If no reply is received within 20 days from the date of receipt of the reminder, the frequency assignment shall be deemed coordinated.

3.4. Field strength values shall be calculated using the latest version of ITU-R Recommendation P.1546.

3.5. Field strength values shall be calculated for receiving antenna height of 3 m above ground for 10 % of the time and for 50 % of the locations.

3.6. If harmful interference is caused by a station covered by this Agreement, the Procedure of ITU RR Article 15 section VI shall be applied. The Party with jurisdiction over such station shall, upon receipt of a harmful interference report, take immediate action required to eliminate the interference and advise the other Party accordingly.

4. Modification and Termination of the Agreement

4.1. Additions and/or changes to this Agreement may be made by mutual agreement of the Parties.

4.2. Either Party may terminate this Agreement by giving a six months' notice to the other Party in writing.

5. Entry into Force

5.1. This Agreement shall enter into force in six months from the date of signing.

5.2. This Agreement is executed in the English language, in two originals, one for each Party.

On behalf of the
Telecommunication
Administration of the
Russian Federation



Andrey Zheglov

On behalf of the
Telecommunication
Administration of Norway



Torstein Olsen

Oslo, 10 July 2015

**Allocation of Preferential Code Groups
between the Telecommunication Administrations
of the Russian Federation and Norway**

The allocation of preferential code groups between the telecommunication administrations of the Russian Federation and Norway is shown in Table 1.

Table 1

	Set A	Set B	Set C	Set D	Set E	Set F
Code numbers	0...10	11...20	21...31	32...42	43...52	53...63
State	Norway	Norway	Russian Federation	Norway	Russian Federation	Russian Federation

