Annex 14

AGREEMENT

between the Telecommunication Administration of the Russian Federation
and the Telecommunication Administration of The Republic of Poland
On Use of the Frequency Band 2500-2690 MHz
by Land Mobile Service and Fixed Service Stations in Border Areas

Moscow, 2016

In accordance with Article 6 of the ITU's Radio Regulations, the Telecommunication Administration of the Russian Federation and the Telecommunication Administration of The Republic of Poland, 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 Band 2500-2690 MHz by Land Mobile Service and Fixed Service Stations in Border Areas.

1. The Principles

1.1. This Agreement is based on ECC Recommendation (11)05.

1.2. This Agreement is based on the concept of coordination field strength threshold levels and the concept of preferential and non-preferential physical-layer cell identifiers (PCI) for LTE systems.

1.3. The Parties' preferential and non-preferential PCIs are shown in Annex 1 to this Agreement.

1.4. Base stations operating in the FDD mode shall use the frequency band 2500-2570 MHz for reception and the frequency band 2620-2690 MHz for transmission. User stations operating in the FDD mode shall use the frequency band 2500-2570 MHz for transmission and the frequency band 2620-2690 MHz for reception.

1.5. Base and user stations operating in the TDD mode will use the frequency band 2570-2620 MHz for transmission and reception.

2. Use of Frequency Bands without Coordination

Either Party may use the frequency band 2500-2690 MHz without coordination with the other Party if the mean field strength produced by a cell (all the transmitters within a sector) does not exceed the thresholds shown in Annex 2 to this Agreement, as appropriate.

3. General

3.1. If the field strength exceeds the levels in Article 2, the frequency assignment in question must be coordinated with the other Party.

3.2. The relevant coordination request shall contain the information specified in Annex 4 to ECC Recommendation (11)05. 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 the 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 the 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.

4.3. In case of termination all coordinated assignments remain valid.

5. Entry into Effect

This Agreement shall become effective on the date of approval by the Telecommunication Administrations of the Russian Federation and the Republic of Poland.

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

Moscow, 10 November 2016

On behalf of the Telecommunication Administration of the Russian Federation	On behalf of the Telecommunication Administration of the Republic of Poland
Andrey Kantsurov	Wiktor Sęga

Annex 1

Allocation of Physical-Layer Cell Identifiers (PCIs) between the Telecommunication Administrations of the Russian Federation and the Republic of Poland

The allocation of physical-layer cell identifiers (PCIs) between the telecommunication administrations of the Russian Federation and the Republic of Poland is shown in Table 1.

Table 1

PCI numbers	Set A 0…83	Set B 84…167	Set C 168…251	Set D 252…335	Set E 336…419	Set F 420…503
Country	Republic of Poland	Russian Federation	Russian Federation	Russian Federation	Republic of Poland	Republic of Poland

Annex 2

Field Strength Threshold Values

Field strength threshold values for receiving antenna height of 3 m above ground level are shown in Table 1.

Table 1

Frequency band, MHz	Field strength on the borderline between the States of the Parties, dBμV/m		Field strength 6 km deep into the territory of the State of the other Party, dBμV/m	
	Bandwidth (BW), MHz		Bandwidth (BW), MHz	
	5	more than 5	5	more than 5
2570-2620	21	21 + 10×log(BW/5)	-	-
2620-2690 (LTE stations with aligned centre frequencies and preferential physical-layer cell identifiers (PCIs) deployed on both sides of the borderline between the States of the Parties)	65	65 + 10×log(BW/5)	49	49 + 10×log(BW/5)
2620-2690 (LTE stations with aligned centre frequencies and non-preferential physical-layer cell identifiers (PCIs) deployed on both sides of the borderline between the States of the Parties)	37	37 + 10×log(BW/5)	-	-
2620-2690 (LTE stations with non-aligned centre frequencies deployed on both sides of the borderline between the States of the Parties)	65	65 + 10×log(BW/5)	49	49 + 10×log(BW/5)
2620-2690 (stations of various systems other than LTE deployed on both sides of the borderline between the States of the Parties)	65	65 + 10×log(BW/5)	37	37 + 10×log(BW/5)