

A G R E E M E N T

**between Telecommunications Administrations
of Poland and Russia
concerning use of the frequency bands
450-453 MHz and 460-463 MHz
for Land Mobile Services in border areas**

Preamble

According to Article 7 of Radio Regulations, the representatives of Telecommunication Administrations of Poland and Russia have concluded present Agreement concerning the use of the frequency bands 450.0-453.0 MHz and 460.0-463.0 MHz with the purpose of preventing mutual interference to stations in land mobile service, and optimising use of above-stated frequency bands on a mutually co-ordinated basis.

In order to eliminate possible disagreements, the Telecommunication Administrations of Poland and Russia will be guided by necessity of observance of the main provisions of Vienna Agreement (1993) or CEPT Recommendation T/R 25-08, when carrying out the co-ordination of the frequency assignments.

1. Frequencies

1.1 The frequencies, specified in the Appendix 1, are allocated as preferential between Telecommunication Administrations of Poland and Russia in view of equal number of duplex channels.

1.2 The central frequencies of the channels in frequency bands 450.000-453.000 MHz and 460.000-463.000 MHz with a step of 25 kHz, will be formed as:

$$F (ML) = 450.000 \text{ MHz} + (N-1) \times 0.025 \text{ MHz},$$

$$F (FB) = 460.000 \text{ MHz} + (N-1) \times 0.025 \text{ MHz}; \quad N=(1 \div 120).$$

1.3 In case of transition to a frequency grid with a 12,5 kHz step, the status of preferential channels is kept only for channels, appropriate to a frequency grid with a 25 kHz step, for each Telecommunications Administration. The frequency assignments on channels with a 12,5 kHz grid are subject to co-ordination if these channels are located outside preferential channel (or block of channels) with 25 kHz grid.

2. Characteristics

- 2.1 A field strength produced by stations using preferential frequencies at a distance of 50 km far inland from border of neighbouring country at 10 m height above a ground level should not exceed 20 dB with reference to 1 $\mu\text{V/m}$ (20 dB $\mu\text{V/m}$) for 10 % of time and 50 % of locations.
- 2.2 This Agreement shall be applicable to the radio stations, situated outside the circular area with 50 km radius around the point of LTU/POL/RUS border junction.
- 2.3 The 25 kHz adjacent channel radiated power should be attenuated by value defined in Annex 4 of CEPT Recommendation T/R 25-08.
- 2.4 Each Telecommunication Administration should inform the neighbouring country about the introduced frequency assignments on preferential channels prior to the beginning of frequency assignment use.
- 2.5 Each Telecommunication Administration can use preferential channels of another Administrations if value of field strength from base station at the border between the states does not exceed 20 dB $\mu\text{V/m}$ for 10 % of time and 50 % of locations at 10 m height above a ground level.
- 2.6 The co-ordination procedure, and also the form and volume of the information, submitted to co-ordination of frequency assignment, should meet the Vienna Agreement with the exception, that the duration of co-ordination process does not exceed 60 days. The Telecommunication Administrations can also bilaterally agree about other procedures.
- 2.7 In the presence of interference the claims shall be submitted on the basis of measurements of a field strength carried out at the border line between the states, or at cross-border line in accordance with Annex 7 of the Vienna Agreement. The Telecommunications Administrations shall take all possible measures in order to eliminate the interference.
- 2.8 The technical and organisational issues, arising during co-ordination process, might be considered on meetings of the experts by the initiative of any Telecommunications Administration on co-ordinated with other Administrations terms.

3. Revision of the agreement

3.1 The present Agreement can be extended or complemented at any time by the initiative of any Telecommunications Administration in the presence of other Administrations consent.

3.2 This agreement can be revised or cancelled by common consent in writing of both Telecommunication Administrations.

4. Coming into force

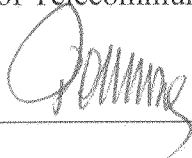
Present agreement enters into force from the moment of its signing by all Telecommunications Administrations.

The present Agreement has been drawn up in English language, each in two copies:

- One copy for Poland,
- One copy for Russia

Kaliningrad, 10 April 1998

On behalf of Telecommunications Administration of Poland



Grzegorz Pachniewski

On behalf of Telecommunications Administration of Russia



Alexander Kokorev

**The list of preferential channels assignments
in the frequency bands 450 - 453 / 460 - 463 MHz
between Telecommunications Administrations of Poland and Russia**

channel No./ block No.	Frequency [MHz]		Preferential frequencies
	FB	ML	
1	2	3	4
1-1	460,000	450,000	POL
2-1	460,025	450,025	RUS
3-1	460,050	450,050	RUS
4-1	460,075	450,075	POL
5-1	460,100	450,100	POL
6-1	460,125	450,125	POL
7-1	460,150	450,150	POL
8-1	460,175	450,175	POL
9-1	460,200	450,200	RUS
10-1	460,225	450,225	RUS
11-1	460,250	450,250	RUS
12-1	460,275	450,275	POL
13-1	460,300	450,300	POL
14-1	460,325	450,325	POL
15-1	460,350	450,350	RUS
16-1	460,375	450,375	RUS
17-1	460,400	450,400	POL
18-1	460,425	450,425	RUS
19-1	460,450	450,450	POL
20-1	460,475	450,475	POL
1-2	460,500	450,500	POL
2-2	460,525	450,525	POL
3-2	460,550	450,550	RUS
4-2	460,575	450,575	POL
5-2	460,600	450,600	RUS
6-2	460,625	450,625	RUS
7-2	460,650	450,650	POL
8-2	460,675	450,675	POL
9-2	460,700	450,700	POL
10-2	460,725	450,725	RUS
11-2	460,750	450,750	POL
12-2	460,775	450,775	RUS
13-2	460,800	450,800	RUS
14-2	460,825	450,825	RUS
15-2	460,850	450,850	RUS
16-2	460,875	450,875	POL
17-2	460,900	450,900	RUS
18-2	460,925	450,925	POL
19-2	460,950	450,950	POL
20-2	460,975	450,975	RUS

channel No./ block No.	Frequency [MHz]		Preferential frequencies
	FB	ML	
1	2	3	4
1-3	461,000	451,000	POL
2-3	461,025	451,025	RUS
3-3	461,050	451,050	RUS
4-3	461,075	451,075	POL
5-3	461,100	451,100	RUS
6-3	461,125	451,125	RUS
7-3	461,150	451,150	RUS
8-3	461,175	451,175	POL
9-3	461,200	451,200	POL
10-3	461,225	451,225	POL
11-3	461,250	451,250	RUS
12-3	461,275	451,275	RUS
13-3	461,300	451,300	POL
14-3	461,325	451,325	POL
15-3	461,350	451,350	RUS
16-3	461,375	451,375	POL
17-3	461,400	451,400	RUS
18-3	461,425	451,425	POL
19-3	461,450	451,450	RUS
20-3	461,475	451,475	RUS
1-4	461,500	451,500	POL
2-4	461,525	451,525	RUS
3-4	461,550	451,550	RUS
4-4	461,575	451,575	POL
5-4	461,600	451,600	RUS
6-4	461,625	451,625	RUS
7-4	461,650	451,650	POL
8-4	461,675	451,675	POL
9-4	461,700	451,700	POL
10-4	461,725	451,725	RUS
11-4	461,750	451,750	RUS
12-4	461,775	451,775	POL
13-4	461,800	451,800	POL
14-4	461,825	451,825	RUS
15-4	461,850	451,850	RUS
16-4	461,875	451,875	RUS
17-4	461,900	451,900	POL
18-4	461,925	451,925	RUS
19-4	461,950	451,950	POL
20-4	461,975	451,975	RUS

channel No./ block No.	Frequency [MHz]		Preferential frequencies
	FB	ML	
1	2	3	4
1-5	462,000	452,000	POL
2-5	462,025	452,025	RUS
3-5	462,050	452,050	RUS
4-5	462,075	452,075	POL
5-5	462,100	452,100	RUS
6-5	462,125	452,125	RUS
7-5	462,150	452,150	POL
8-5	462,175	452,175	POL
9-5	462,200	452,200	RUS
10-5	462,225	452,225	RUS
11-5	462,250	452,250	POL
12-5	462,275	452,275	POL
13-5	462,300	452,300	POL
14-5	462,325	452,325	POL
15-5	462,350	452,350	RUS
16-5	462,375	452,375	RUS
17-5	462,400	452,400	RUS
18-5	462,425	452,425	POL
19-5	462,450	452,450	POL
20-5	462,475	452,475	RUS
1-6	462,500	452,500	POL
2-6	462,525	452,525	RUS
3-6	462,550	452,550	POL
4-6	462,575	452,575	POL
5-6	462,600	452,600	RUS
6-6	462,625	452,625	POL
7-6	462,650	452,650	RUS
8-6	462,675	452,675	POL
9-6	462,700	452,700	RUS
10-6	462,725	452,725	RUS
11-6	462,750	452,750	POL
12-6	462,775	452,775	RUS
13-6	462,800	452,800	POL
14-6	462,825	452,825	POL
15-6	462,850	452,850	RUS
16-6	462,875	452,875	RUS
17-6	462,900	452,900	POL
18-6	462,925	452,925	RUS
19-6	462,950	452,950	POL
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