

**A G R E E M E N T**

**between Telecommunications Administrations of Lithuania, Poland and Russia  
about the utilization of the frequency bands 1710-1785 MHz and 1805-1880 MHz  
in the border areas  
for introduction of the Public Land Mobile Telephony System DCS-1800**

## **Preamble**

According to Article 7 of Radio Regulations, the representatives of Telecommunication Administrations of Lithuania, Poland and Russia have concluded present Agreement concerning the use of the frequency bands 1710-1785 MHz and 1805-1880 MHz with the purpose of preventing mutual interference to land mobile services, using DCS-1800 standard, and optimizing the use of above-stated frequency bands on a mutually coordinated basis.

In order to eliminate the possible disagreements, the Telecommunications Administrations of Lithuania, Poland and Russia will be guided by necessity of observance of the main provisions of Vienna Agreement (1993) and CEPT Recommendations T/R 25-08 and T/R 22-07, when carrying out the coordination of the frequency assignments.

## **1. Frequencies**

- 1.1 The DCS-1800 system frequencies, specified in the Annex 1, are allocated as preferential between Telecommunication Administrations of Lithuania, Poland and Russia in view of equal number of duplex channels.
- 1.2 The central frequencies of the duplex channels for DCS-1800 system in frequency bands 1710-1785 MHz and 1805-1880 MHz are submitted in the Annex 2.
- 1.3 Provisions of this Agreement shall be applicable for the stations, situated in the circular area of 15 km radius around the point of LTU/POL/RUS borders' junction.

## **2. Characteristics**

- 2.1 The preferential channels may be used without coordination with the neighbouring country, if value of a field strength at a distance of 15 km far inland from border of neighbouring country and at 3 m height above a ground level for 10% of time and 50% of locations does not exceed 25 dB $\mu$ V/m for each carrier of base station.
- 2.2 Each Telecommunication Administration shall inform the neighbouring countries about the introduced frequency assignment on preferable channels prior to the beginning of frequency assignment use.
- 2.3 Each Telecommunication Administration may use preferential channels of another Administration by its consent as a result of coordination, which should be made, if value of field strength from interfering base station exceeds 25 dB $\mu$ V/m at 3 m height above a ground level for 10% of time and 50% of locations at the border between two states.
- 2.4 The coordination procedure, and also the form and volume of the information, submitted to coordination of frequency assignment, should meet the Vienna Agreement and CEPT Recommendation T/R 22-07 with the exception, that the duration of coordination process does not exceed 60 days. The Telecommunication Administrations can also agree about other procedures.
- 2.5 In the presence of interference the claims shall be submitted in accordance with the Appendix 23 of Radio Regulations.

The Telecommunication Administrations must take all possible measures in order to eliminate the possible interference.

## **3. Revision of the agreement**

- 3.1 The present Agreement can be extended or complemented at any time by the initiative of any Telecommunication Administration in the presence of other Administrations consent.
- 3.2 This agreement can be revised or cancelled by common consent of all participating Administrations.

#### 4. Coming into force

Present agreement enters into force after it has been signed by all Telecommunications Administrations.

The present Agreement has been drawn up in English version, in three copies:

- ☐ One copy for Lithuania,
- ☐ One copy for Poland,
- ☐ One copy for Russia

Kaliningrad

10.04.1998

On behalf of Telecommunications Administration of Lithuania

  
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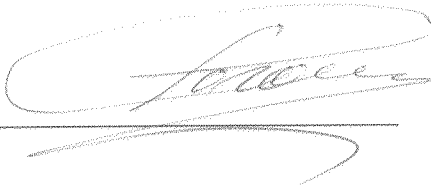
Anicetas Stelingis

On behalf of Telecommunications Administration of Poland

  
\_\_\_\_\_

Grzegorz Pachniewski

On behalf of Telecommunications Administration of Russia

  
\_\_\_\_\_

Alexander Kokorev

### Preferential frequencies for DCS-1800 system in border areas of Lithuania, Poland and Russia

|     |              |     |             |             |             |             |             |             |             |             |             |
|-----|--------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 512 | RUS<br>(112) | 623 | 661         | 699         | 736         | 773         | 811         | 848         | 860         | 872         | 885         |
|     |              |     | LTU<br>(38) | POL<br>(38) | LTU<br>(37) | POL<br>(37) | LTU<br>(38) | POL<br>(37) | RUS<br>(12) | LTU<br>(12) | POL<br>(13) |
|     |              |     | 624         | 662         | 700         | 737         | 774         | 812         | 849         | 861         | 873         |

For the Administration of Lithuania:

Schlingens

Anicetas Stelingis

For the Administration of Poland:



Grzegorz Pachniewski

For the Administration of Russia:

*[Signature]*

Alexander Kokorev

Kainiingrad

10.04.1998

Yr. Ltn: R. W. Hildner

Geo.

## List of DCS 1800 system frequencies

| Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 512     | 1805.20 | 1710.20 | 561     | 1815.00 | 1720.00 | 611     | 1825.00 | 1730.00 |
| 513     | 1805.40 | 1710.40 | 562     | 1815.20 | 1720.20 | 612     | 1825.20 | 1730.20 |
| 514     | 1805.60 | 1710.60 | 563     | 1815.40 | 1720.40 | 613     | 1825.40 | 1730.40 |
| 515     | 1805.80 | 1710.80 | 564     | 1815.60 | 1720.60 | 614     | 1825.60 | 1730.60 |
| 516     | 1806.00 | 1711.00 | 565     | 1815.80 | 1720.80 | 615     | 1825.80 | 1730.80 |
| 517     | 1806.20 | 1711.20 | 566     | 1816.00 | 1721.00 | 616     | 1826.00 | 1731.00 |
| 518     | 1806.40 | 1711.40 | 567     | 1816.20 | 1721.20 | 617     | 1826.20 | 1731.20 |
| 519     | 1806.60 | 1711.60 | 568     | 1816.40 | 1721.40 | 618     | 1826.40 | 1731.40 |
| 520     | 1806.80 | 1711.80 | 569     | 1816.60 | 1721.60 | 619     | 1826.60 | 1731.60 |
| 521     | 1807.00 | 1712.00 | 570     | 1816.80 | 1721.80 | 620     | 1826.80 | 1731.80 |
| 522     | 1807.20 | 1712.20 | 571     | 1817.00 | 1722.00 | 621     | 1827.00 | 1732.00 |
| 523     | 1807.40 | 1712.40 | 572     | 1817.20 | 1722.20 | 622     | 1827.20 | 1732.20 |
| 524     | 1807.60 | 1712.60 | 573     | 1817.40 | 1722.40 | 623     | 1827.40 | 1732.40 |
| 525     | 1807.80 | 1712.80 | 574     | 1817.60 | 1722.60 | 624     | 1827.60 | 1732.60 |
| 526     | 1808.00 | 1713.00 | 575     | 1817.80 | 1722.80 | 625     | 1827.80 | 1732.80 |
| 527     | 1808.20 | 1713.20 | 576     | 1818.00 | 1723.00 | 626     | 1828.00 | 1733.00 |
| 528     | 1808.40 | 1713.40 | 577     | 1818.20 | 1723.20 | 627     | 1828.20 | 1733.20 |
| 529     | 1808.60 | 1713.60 | 578     | 1818.40 | 1723.40 | 628     | 1828.40 | 1733.40 |
| 530     | 1808.80 | 1713.80 | 579     | 1818.60 | 1723.60 | 629     | 1828.60 | 1733.60 |
| 531     | 1809.00 | 1714.00 | 580     | 1818.80 | 1723.80 | 630     | 1828.80 | 1733.80 |
| 532     | 1809.20 | 1714.20 | 581     | 1819.00 | 1724.00 | 631     | 1829.00 | 1734.00 |
| 533     | 1809.40 | 1714.40 | 582     | 1819.20 | 1724.20 | 632     | 1829.20 | 1734.20 |
| 534     | 1809.60 | 1714.60 | 583     | 1819.40 | 1724.40 | 633     | 1829.40 | 1734.40 |
| 535     | 1809.80 | 1714.80 | 584     | 1819.60 | 1724.60 | 634     | 1829.60 | 1734.60 |
| 536     | 1810.00 | 1715.00 | 585     | 1819.80 | 1724.80 | 635     | 1829.80 | 1734.80 |
| 537     | 1810.20 | 1715.20 | 586     | 1820.00 | 1725.00 | 636     | 1830.00 | 1735.00 |
| 538     | 1810.40 | 1715.40 | 587     | 1820.20 | 1725.20 | 637     | 1830.20 | 1735.20 |
| 539     | 1810.60 | 1715.60 | 588     | 1820.40 | 1725.40 | 638     | 1830.40 | 1735.40 |
| 540     | 1810.80 | 1715.80 | 589     | 1820.60 | 1725.60 | 639     | 1830.60 | 1735.60 |
| 541     | 1811.00 | 1716.00 | 590     | 1820.80 | 1725.80 | 640     | 1830.80 | 1735.80 |
| 542     | 1811.20 | 1716.20 | 591     | 1821.00 | 1726.00 | 641     | 1831.00 | 1736.00 |
| 543     | 1811.40 | 1716.40 | 592     | 1821.20 | 1726.20 | 642     | 1831.20 | 1736.20 |
| 544     | 1811.60 | 1716.60 | 593     | 1821.40 | 1726.40 | 643     | 1831.40 | 1736.40 |
| 545     | 1811.80 | 1716.80 | 594     | 1821.60 | 1726.60 | 644     | 1831.60 | 1736.60 |
| 546     | 1812.00 | 1717.00 | 595     | 1821.80 | 1726.80 | 645     | 1831.80 | 1736.80 |
| 547     | 1812.20 | 1717.20 | 596     | 1822.00 | 1727.00 | 646     | 1832.00 | 1737.00 |
| 548     | 1812.40 | 1717.40 | 597     | 1822.20 | 1727.20 | 647     | 1832.20 | 1737.20 |
| 549     | 1812.60 | 1717.60 | 598     | 1822.40 | 1727.40 | 648     | 1832.40 | 1737.40 |
| 550     | 1812.80 | 1717.80 | 599     | 1822.60 | 1727.60 | 649     | 1832.60 | 1737.60 |
| 551     | 1813.00 | 1718.00 | 600     | 1822.80 | 1727.80 | 650     | 1832.80 | 1737.80 |
| 552     | 1813.20 | 1718.20 | 601     | 1823.00 | 1728.00 | 651     | 1833.00 | 1738.00 |
| 553     | 1813.40 | 1718.40 | 602     | 1823.20 | 1728.20 | 652     | 1833.20 | 1738.20 |
| 554     | 1813.60 | 1718.60 | 603     | 1823.40 | 1728.40 | 653     | 1833.40 | 1738.40 |
| 555     | 1813.80 | 1718.80 | 604     | 1823.60 | 1728.60 | 654     | 1833.60 | 1738.60 |
| 556     | 1814.00 | 1719.00 | 605     | 1823.80 | 1728.80 | 655     | 1833.80 | 1738.80 |
| 557     | 1814.20 | 1719.20 | 606     | 1824.00 | 1729.00 | 656     | 1834.00 | 1739.00 |
| 558     | 1814.40 | 1719.40 | 607     | 1824.20 | 1729.20 | 657     | 1834.20 | 1739.20 |
| 559     | 1814.60 | 1719.60 | 608     | 1824.40 | 1729.40 | 658     | 1834.40 | 1739.40 |
| 560     | 1814.80 | 1719.80 | 609     | 1824.60 | 1729.60 | 659     | 1834.60 | 1739.60 |
|         |         |         | 610     | 1824.80 | 1729.80 | 660     | 1834.80 | 1739.80 |

| Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 661     | 1835.00 | 1740.00 | 711     | 1845.00 | 1750.00 | 761     | 1855.00 | 1760.00 |
| 662     | 1835.20 | 1740.20 | 712     | 1845.20 | 1750.20 | 762     | 1855.20 | 1760.20 |
| 663     | 1835.40 | 1740.40 | 713     | 1845.40 | 1750.40 | 763     | 1855.40 | 1760.40 |
| 664     | 1835.60 | 1740.60 | 714     | 1845.60 | 1750.60 | 764     | 1855.60 | 1760.60 |
| 665     | 1835.80 | 1740.80 | 715     | 1845.80 | 1750.80 | 765     | 1855.80 | 1760.80 |
| 666     | 1836.00 | 1741.00 | 716     | 1846.00 | 1751.00 | 766     | 1856.00 | 1761.00 |
| 667     | 1836.20 | 1741.20 | 717     | 1846.20 | 1751.20 | 767     | 1856.20 | 1761.20 |
| 668     | 1836.40 | 1741.40 | 718     | 1846.40 | 1751.40 | 768     | 1856.40 | 1761.40 |
| 669     | 1836.60 | 1741.60 | 719     | 1846.60 | 1751.60 | 769     | 1856.60 | 1761.60 |
| 670     | 1836.80 | 1741.80 | 720     | 1846.80 | 1751.80 | 770     | 1856.80 | 1761.80 |
| 671     | 1837.00 | 1742.00 | 721     | 1847.00 | 1752.00 | 771     | 1857.00 | 1762.00 |
| 672     | 1837.20 | 1742.20 | 722     | 1847.20 | 1752.20 | 772     | 1857.20 | 1762.20 |
| 673     | 1837.40 | 1742.40 | 723     | 1847.40 | 1752.40 | 773     | 1857.40 | 1762.40 |
| 674     | 1837.60 | 1742.60 | 724     | 1847.60 | 1752.60 | 774     | 1857.60 | 1762.60 |
| 675     | 1837.80 | 1742.80 | 725     | 1847.80 | 1752.80 | 775     | 1857.80 | 1762.80 |
| 676     | 1838.00 | 1743.00 | 726     | 1848.00 | 1753.00 | 776     | 1858.00 | 1763.00 |
| 677     | 1838.20 | 1743.20 | 727     | 1848.20 | 1753.20 | 777     | 1858.20 | 1763.20 |
| 678     | 1838.40 | 1743.40 | 728     | 1848.40 | 1753.40 | 778     | 1858.40 | 1763.40 |
| 679     | 1838.60 | 1743.60 | 729     | 1848.60 | 1753.60 | 779     | 1858.60 | 1763.60 |
| 680     | 1838.80 | 1743.80 | 730     | 1848.80 | 1753.80 | 780     | 1858.80 | 1763.80 |
| 681     | 1839.00 | 1744.00 | 731     | 1849.00 | 1754.00 | 781     | 1859.00 | 1764.00 |
| 682     | 1839.20 | 1744.20 | 732     | 1849.20 | 1754.20 | 782     | 1859.20 | 1764.20 |
| 683     | 1839.40 | 1744.40 | 733     | 1849.40 | 1754.40 | 783     | 1859.40 | 1764.40 |
| 684     | 1839.60 | 1744.60 | 734     | 1849.60 | 1754.60 | 784     | 1859.60 | 1764.60 |
| 685     | 1839.80 | 1744.80 | 735     | 1849.80 | 1754.80 | 785     | 1859.80 | 1764.80 |
| 686     | 1840.00 | 1745.00 | 736     | 1850.00 | 1755.00 | 786     | 1860.00 | 1765.00 |
| 687     | 1840.20 | 1745.20 | 737     | 1850.20 | 1755.20 | 787     | 1860.20 | 1765.20 |
| 688     | 1840.40 | 1745.40 | 738     | 1850.40 | 1755.40 | 788     | 1860.40 | 1765.40 |
| 689     | 1840.60 | 1745.60 | 739     | 1850.60 | 1755.60 | 789     | 1860.60 | 1765.60 |
| 690     | 1840.80 | 1745.80 | 740     | 1850.80 | 1755.80 | 790     | 1860.80 | 1765.80 |
| 691     | 1841.00 | 1746.00 | 741     | 1851.00 | 1756.00 | 791     | 1861.00 | 1766.00 |
| 692     | 1841.20 | 1746.20 | 742     | 1851.20 | 1756.20 | 792     | 1861.20 | 1766.20 |
| 693     | 1841.40 | 1746.40 | 743     | 1851.40 | 1756.40 | 793     | 1861.40 | 1766.40 |
| 694     | 1841.60 | 1746.60 | 744     | 1851.60 | 1756.60 | 794     | 1861.60 | 1766.60 |
| 695     | 1841.80 | 1746.80 | 745     | 1851.80 | 1756.80 | 795     | 1861.80 | 1766.80 |
| 696     | 1842.00 | 1747.00 | 746     | 1852.00 | 1757.00 | 796     | 1862.00 | 1767.00 |
| 697     | 1842.20 | 1747.20 | 747     | 1852.20 | 1757.20 | 797     | 1862.20 | 1767.20 |
| 698     | 1842.40 | 1747.40 | 748     | 1852.40 | 1757.40 | 798     | 1862.40 | 1767.40 |
| 699     | 1842.60 | 1747.60 | 749     | 1852.60 | 1757.60 | 799     | 1862.60 | 1767.60 |
| 700     | 1842.80 | 1747.80 | 750     | 1852.80 | 1757.80 | 800     | 1862.80 | 1767.80 |
| 701     | 1843.00 | 1748.00 | 751     | 1853.00 | 1758.00 | 801     | 1863.00 | 1768.00 |
| 702     | 1843.20 | 1748.20 | 752     | 1853.20 | 1758.20 | 802     | 1863.20 | 1768.20 |
| 703     | 1843.40 | 1748.40 | 753     | 1853.40 | 1758.40 | 803     | 1863.40 | 1768.40 |
| 704     | 1843.60 | 1748.60 | 754     | 1853.60 | 1758.60 | 804     | 1863.60 | 1768.60 |
| 705     | 1843.80 | 1748.80 | 755     | 1853.80 | 1758.80 | 805     | 1863.80 | 1768.80 |
| 706     | 1844.00 | 1749.00 | 756     | 1854.00 | 1759.00 | 806     | 1864.00 | 1769.00 |
| 707     | 1844.20 | 1749.20 | 757     | 1854.20 | 1759.20 | 807     | 1864.20 | 1769.20 |
| 708     | 1844.40 | 1749.40 | 758     | 1854.40 | 1759.40 | 808     | 1864.40 | 1769.40 |
| 709     | 1844.60 | 1749.60 | 759     | 1854.60 | 1759.60 | 809     | 1864.60 | 1769.60 |
| 710     | 1844.80 | 1749.80 | 760     | 1854.80 | 1759.80 | 810     | 1864.80 | 1769.80 |

| Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz | Ch. No. | BS, MHz | MS, MHz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 811     | 1865.00 | 1770.00 | 861     | 1875.00 | 1780.00 |         |         |         |
| 812     | 1865.20 | 1770.20 | 862     | 1875.20 | 1780.20 |         |         |         |
| 813     | 1865.40 | 1770.40 | 863     | 1875.40 | 1780.40 |         |         |         |
| 814     | 1865.60 | 1770.60 | 864     | 1875.60 | 1780.60 |         |         |         |
| 815     | 1865.80 | 1770.80 | 865     | 1875.80 | 1780.80 |         |         |         |
| 816     | 1866.00 | 1771.00 | 866     | 1876.00 | 1781.00 |         |         |         |
| 817     | 1866.20 | 1771.20 | 867     | 1876.20 | 1781.20 |         |         |         |
| 818     | 1866.40 | 1771.40 | 868     | 1876.40 | 1781.40 |         |         |         |
| 819     | 1866.60 | 1771.60 | 869     | 1876.60 | 1781.60 |         |         |         |
| 820     | 1866.80 | 1771.80 | 870     | 1876.80 | 1781.80 |         |         |         |
| 821     | 1867.00 | 1772.00 | 871     | 1877.00 | 1782.00 |         |         |         |
| 822     | 1867.20 | 1772.20 | 872     | 1877.20 | 1782.20 |         |         |         |
| 823     | 1867.40 | 1772.40 | 873     | 1877.40 | 1782.40 |         |         |         |
| 824     | 1867.60 | 1772.60 | 874     | 1877.60 | 1782.60 |         |         |         |
| 825     | 1867.80 | 1772.80 | 875     | 1877.80 | 1782.80 |         |         |         |
| 826     | 1868.00 | 1773.00 | 876     | 1878.00 | 1783.00 |         |         |         |
| 827     | 1868.20 | 1773.20 | 877     | 1878.20 | 1783.20 |         |         |         |
| 828     | 1868.40 | 1773.40 | 878     | 1878.40 | 1783.40 |         |         |         |
| 829     | 1868.60 | 1773.60 | 879     | 1878.60 | 1783.60 |         |         |         |
| 830     | 1868.80 | 1773.80 | 880     | 1878.80 | 1783.80 |         |         |         |
| 831     | 1869.00 | 1774.00 | 881     | 1879.00 | 1784.00 |         |         |         |
| 832     | 1869.20 | 1774.20 | 882     | 1879.20 | 1784.20 |         |         |         |
| 833     | 1869.40 | 1774.40 | 883     | 1879.40 | 1784.40 |         |         |         |
| 834     | 1869.60 | 1774.60 | 884     | 1879.60 | 1784.60 |         |         |         |
| 835     | 1869.80 | 1774.80 | 885     | 1879.80 | 1784.80 |         |         |         |
| 836     | 1870.00 | 1775.00 |         |         |         |         |         |         |
| 837     | 1870.20 | 1775.20 |         |         |         |         |         |         |
| 838     | 1870.40 | 1775.40 |         |         |         |         |         |         |
| 839     | 1870.60 | 1775.60 |         |         |         |         |         |         |
| 840     | 1870.80 | 1775.80 |         |         |         |         |         |         |
| 841     | 1871.00 | 1776.00 |         |         |         |         |         |         |
| 842     | 1871.20 | 1776.20 |         |         |         |         |         |         |
| 843     | 1871.40 | 1776.40 |         |         |         |         |         |         |
| 844     | 1871.60 | 1776.60 |         |         |         |         |         |         |
| 845     | 1871.80 | 1776.80 |         |         |         |         |         |         |
| 846     | 1872.00 | 1777.00 |         |         |         |         |         |         |
| 847     | 1872.20 | 1777.20 |         |         |         |         |         |         |
| 848     | 1872.40 | 1777.40 |         |         |         |         |         |         |
| 849     | 1872.60 | 1777.60 |         |         |         |         |         |         |
| 850     | 1872.80 | 1777.80 |         |         |         |         |         |         |
| 851     | 1873.00 | 1778.00 |         |         |         |         |         |         |
| 852     | 1873.20 | 1778.20 |         |         |         |         |         |         |
| 853     | 1873.40 | 1778.40 |         |         |         |         |         |         |
| 854     | 1873.60 | 1778.60 |         |         |         |         |         |         |
| 855     | 1873.80 | 1778.80 |         |         |         |         |         |         |
| 856     | 1874.00 | 1779.00 |         |         |         |         |         |         |
| 857     | 1874.20 | 1779.20 |         |         |         |         |         |         |
| 858     | 1874.40 | 1779.40 |         |         |         |         |         |         |
| 859     | 1874.60 | 1779.60 |         |         |         |         |         |         |
| 860     | 1874.80 | 1779.80 |         |         |         |         |         |         |