

A R R A N G E M E N T

**between the Telecommunication Administrations of Latvia and Russia
concerning the use of the frequency bands 1710-1785/1805-1880 MHz
for Public Land Mobile Telephony System DCS-1800 in the border areas**

Preamble

According to Article 7 of the Radio Regulations (issued in 1990), the representatives of Telecommunication Administrations of Latvia and Russia have concluded the present Arrangement concerning the use of the frequency bands 1710-1785/1805-1880 MHz with the purpose of avoiding mutual interference to the Public Land Mobile Telephony System DCS-1800, based on ERC Decision ERC/DEC (95) 03 and optimizing the use of the above-stated frequency band on a mutually coordinated basis.

In order to eliminate the possible disagreements the Telecommunication Administrations, if necessary, will be guided by the provisions of the Vienna Agreement (1993) and CEPT Recommendation T/R 22-07E, while effecting coordination of the frequency assignments.

In preparation of this Arrangement the Telecommunication Administrations have recognised the present use of the band 1710-1785/1805-1880 MHz by stations of the Fixed Service in Russia.

1. Frequencies

1.1. The centre frequencies of the duplex channels in the 1710-1785 / 1805-1880 MHz frequency bands are formed with a step of 200 kHz, as listed in Appendix 1 and are allocated as preferential between Telecommunication Administrations in view of equal number of duplex channels in accordance with Appendix 2.

1.2. DCS-1800 channel numbering corresponds to ETS 300 577.

2.Characteristics

2.1. Each Telecommunication Administration may use its preferential channels without coordination with the neighbouring country, if the field strength value of every single carrier produced by the base station does not exceed 25 dB μ V/m at distance of 15 km inland from the border of the neighbouring country.

2.2. Each Telecommunication Administration can use preferential channels of the other Telecommunication Administration, if the field strength of every single carrier produced by the base station does not exceed 25 dB μ V/m at the border between the two states.

2.3. If the field strength value exceeds the level mentioned in (items 2.1 - 2.2) coordination shall be effected with the other Telecommunication Administration.

2.4. If the source of the interference is the use of the initial and final channels in the preferential frequency blocks (adjacent channel interference) by operators of both Telecommunication Administrations in the same region, such interference shall be eliminated by a mutual agreement between DCS-1800 operators. In case the operators are unable to reach an agreement this problem shall be resolved by the Administrations.

2.5. Each Telecommunication Administration shall inform the neighbouring country before bringing into use of any frequency assignment at a distance of 15 km from the state border.

2.6. The coordination procedure, and also the form and volume of the information, submitted to coordination of frequency assignment, should meet the Vienna Agreement (1993) and CEPT Recommendation T/R 22-07E. The Telecommunication Administrations can also bilaterally agree on other procedures.

2.7. The period of coordination shall not exceed 65 days from the date of the receipt of the request by fax and 20 days after the reminder. If no reply is received after 85 days the frequency assignment shall be considered as coordinated.

2.8. In the presence of interference the claims shall be showed in accordance with Appendix 23 of the Radio Regulations (issued in 1990). The Telecommunication Administrations shall take all possible measures in order to eliminate the interference.

2.9. Preliminary negotiations may take place between the DCS-1800 operators concerned. The results of such preliminary negotiations between operators must be approved by the Administrations.

The above mentioned field strength values are based on the following: height of receiving antenna 3 m, 10 % of the time, 50 % of the locations.

3. Revision of the Arrangement

3.1. The present Arrangement can be extended, complemented or revised on the initiative of any Telecommunication Administration with the agreement of the other Administration.

3.2. This Arrangement can be cancelled by a mutual decision of both Telecommunication Administrations or by a decision of one Telecommunication Administration subject to a six month notice to the other Administration.

3.3. In the case this Arrangement is cancelled coordination shall be effected on the basis of Recommendation CEPT T/R 22-07E.

4. Coming into force

The present Arrangement inures from the moment of the signing of it by both Telecommunication Administrations.

The present Arrangement has been drawn up in English language in two copies:

One copy for Latvia,
One copy for Russia

Moscow

5 March 1999

For the Administration of Latvia:

For the Administration of Russia:

**Allocation of preferential radio channels in the frequency bands 1710.0-1785.0/1805.0-1880.0 MHz between
Telecommunication Administrations of Latvia and Russia**

550	560	631	660	686	797	848	885
RUS(39)	LVA(10)	RUS(71)	LVA(29)	RUS(26)	LVA(111)	RUS(51)	LVA(37)
512	551	561	632	661	687	798	849

LVA - 187 radio channels

RUS - 187 radio channels

**Frequency grid
of the 1710-1785/1805-1880 MHz with the
200 kHz for duplex radiocommunications systems**

Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz	Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz
512	1805.20	1710.20	551	1813.00	1718.00
513	1805.40	1710.40	552	1813.20	1718.20
514	1805.60	1710.60	553	1813.40	1718.40
515	1805.80	1710.80	554	1813.60	1718.60
516	1806.00	1711.00	555	1813.80	1718.80
517	1806.20	1711.20	556	1814.00	1719.00
518	1806.40	1711.40	557	1814.20	1719.20
519	1806.60	1711.60	558	1814.40	1719.40
520	1806.80	1711.80	559	1814.60	1719.60
521	1807.00	1712.00	560	1814.80	1719.80
522	1807.20	1712.20	561	1815.00	1720.00
523	1807.40	1712.40	562	1815.20	1720.20
524	1807.60	1712.60	563	1815.40	1720.40
525	1807.80	1712.80	564	1815.60	1720.60
526	1808.00	1713.00	565	1815.80	1720.80
527	1808.20	1713.20	566	1816.00	1721.00
528	1808.40	1713.40	567	1816.20	1721.20
529	1808.60	1713.60	568	1816.40	1721.40
530	1808.80	1713.80	569	1816.60	1721.60
531	1809.00	1714.00	570	1816.80	1721.80
532	1809.20	1714.20	571	1817.00	1722.00
533	1809.40	1714.40	572	1817.20	1722.20
534	1809.60	1714.60	573	1817.40	1722.40
535	1809.80	1714.80	574	1817.60	1722.60
536	1810.00	1715.00	575	1817.80	1722.80
537	1810.20	1715.20	576	1818.00	1723.00
538	1810.40	1715.40	577	1818.20	1723.20
539	1810.60	1715.60	578	1818.40	1723.40
540	1810.80	1715.80	579	1818.60	1723.60
541	1811.00	1716.00	580	1818.80	1723.80
542	1811.20	1716.20	581	1819.00	1724.00
543	1811.40	1716.40	582	1819.20	1724.20
544	1811.60	1716.60	583	1819.40	1724.40
545	1811.80	1716.80	584	1819.60	1724.60
546	1812.00	1717.00	585	1819.80	1724.80
547	1812.20	1717.20	586	1820.00	1725.00
548	1812.40	1717.40	587	1820.20	1725.20
549	1812.60	1717.60	588	1820.40	1725.40
550	1812.80	1717.80	589	1820.60	1725.60
			590	1820.80	1725.80

Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz	Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz
591	1821.00	1726.00	631	1829.00	1734.00
592	1821.20	1726.20	632	1829.20	1734.20
593	1821.40	1726.40	633	1829.40	1734.40
594	1821.60	1726.60	634	1829.60	1734.60
595	1821.80	1726.80	635	1829.80	1734.80
596	1822.00	1727.00	636	1830.00	1735.00
597	1822.20	1727.20	637	1830.20	1735.20
598	1822.40	1727.40	638	1830.40	1735.40
599	1822.60	1727.60	639	1830.60	1735.60
600	1822.80	1727.80	640	1830.80	1735.80
601	1823.00	1728.00	641	1831.00	1736.00
602	1823.20	1728.20	642	1831.20	1736.20
603	1823.40	1728.40	643	1831.40	1736.40
604	1823.60	1728.60	644	1831.60	1736.60
605	1823.80	1728.80	645	1831.80	1736.80
606	1824.00	1729.00	646	1832.00	1737.00
607	1824.20	1729.20	647	1832.20	1737.20
608	1824.40	1729.40	648	1832.40	1737.40
609	1824.60	1729.60	649	1832.60	1737.60
610	1824.80	1729.80	650	1832.80	1737.80
611	1825.00	1730.00	651	1833.00	1738.00
612	1825.20	1730.20	652	1833.20	1738.20
613	1825.40	1730.40	653	1833.40	1738.40
614	1825.60	1730.60	654	1833.60	1738.60
615	1825.80	1730.80	655	1833.80	1738.80
616	1826.00	1731.00	656	1834.00	1739.00
617	1826.20	1731.20	657	1834.20	1739.20
618	1826.40	1731.40	658	1834.40	1739.40
619	1826.60	1731.60	659	1834.60	1739.60
620	1826.80	1731.80	660	1834.80	1739.80
621	1827.00	1732.00	661	1835.00	1740.00
622	1827.20	1732.20	662	1835.20	1740.20
623	1827.40	1732.40	663	1835.40	1740.40
624	1827.60	1732.60	664	1835.60	1740.60
625	1827.80	1732.80	665	1835.80	1740.80
626	1828.00	1733.00	666	1836.00	1741.00
627	1828.20	1733.20	667	1836.20	1741.20
628	1828.40	1733.40	668	1836.40	1741.40
629	1828.60	1733.60	669	1836.60	1741.60
630	1828.80	1733.80	670	1836.80	1741.80

Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz	Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz
671	1837.00	1742.00	711	1845.00	1750.00
672	1837.20	1742.20	712	1845.20	1750.20
673	1837.40	1742.40	713	1845.40	1750.40
674	1837.60	1742.60	714	1845.60	1750.60
675	1837.80	1742.80	715	1845.80	1750.80
676	1838.00	1743.00	716	1846.00	1751.00
677	1838.20	1743.20	717	1846.20	1751.20
678	1838.40	1743.40	718	1846.40	1751.40
679	1838.60	1743.60	719	1846.60	1751.60
680	1838.80	1743.80	720	1846.80	1751.80
681	1839.00	1744.00	721	1847.00	1752.00
682	1839.20	1744.20	722	1847.20	1752.20
683	1839.40	1744.40	723	1847.40	1752.40
684	1839.60	1744.60	724	1847.60	1752.60
685	1839.80	1744.80	725	1847.80	1752.80
686	1840.00	1745.00	726	1848.00	1753.00
687	1840.20	1745.20	727	1848.20	1753.20
688	1840.40	1745.40	728	1848.40	1753.40
689	1840.60	1745.60	729	1848.60	1753.60
690	1840.80	1745.80	730	1848.80	1753.80
691	1841.00	1746.00	731	1849.00	1754.00
692	1841.20	1746.20	732	1849.20	1754.20
693	1841.40	1746.40	733	1849.40	1754.40
694	1841.60	1746.60	734	1849.60	1754.60
695	1841.80	1746.80	735	1849.80	1754.80
696	1842.00	1747.00	736	1850.00	1755.00
697	1842.20	1747.20	737	1850.20	1755.20
698	1842.40	1747.40	738	1850.40	1755.40
699	1842.60	1747.60	739	1850.60	1755.60
700	1842.80	1747.80	740	1850.80	1755.80
701	1843.00	1748.00	741	1851.00	1756.00
702	1843.20	1748.20	742	1851.20	1756.20
703	1843.40	1748.40	743	1851.40	1756.40
704	1843.60	1748.60	744	1851.60	1756.60
705	1843.80	1748.80	745	1851.80	1756.80
706	1844.00	1749.00	746	1852.00	1757.00
707	1844.20	1749.20	747	1852.20	1757.20
708	1844.40	1749.40	748	1852.40	1757.40
709	1844.60	1749.60	749	1852.60	1757.60
710	1844.80	1749.80	750	1852.80	1757.80

Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz	Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz
751	1853.00	1758.00	791	1861.00	1766.00
752	1853.20	1758.20	792	1861.20	1766.20
753	1853.40	1758.40	793	1861.40	1766.40
754	1853.60	1758.60	794	1861.60	1766.60
755	1853.80	1758.80	795	1861.80	1766.80
756	1854.00	1759.00	796	1862.00	1767.00
757	1854.20	1759.20	797	1862.20	1767.20
758	1854.40	1759.40	798	1862.40	1767.40
759	1854.60	1759.60	799	1862.60	1767.60
760	1854.80	1759.80	800	1862.80	1767.80
761	1855.00	1760.00	801	1863.00	1768.00
762	1855.20	1760.20	802	1863.20	1768.20
763	1855.40	1760.40	803	1863.40	1768.40
764	1855.60	1760.60	804	1863.60	1768.60
765	1855.80	1760.80	805	1863.80	1768.80
766	1856.00	1761.00	806	1864.00	1769.00
767	1856.20	1761.20	807	1864.20	1769.20
768	1856.40	1761.40	808	1864.40	1769.40
769	1856.60	1761.60	809	1864.60	1769.60
770	1856.80	1761.80	810	1864.80	1769.80
771	1857.00	1762.00	811	1865.00	1770.00
772	1857.20	1762.20	812	1865.20	1770.20
773	1857.40	1762.40	813	1865.40	1770.40
774	1857.60	1762.60	814	1865.60	1770.60
775	1857.80	1762.80	815	1865.80	1770.80
776	1858.00	1763.00	816	1866.00	1771.00
777	1858.20	1763.20	817	1866.20	1771.20
778	1858.40	1763.40	818	1866.40	1771.40
779	1858.60	1763.60	819	1866.60	1771.60
780	1858.80	1763.80	820	1866.80	1771.80
781	1859.00	1764.00	821	1867.00	1772.00
782	1859.20	1764.20	822	1867.20	1772.20
783	1859.40	1764.40	823	1867.40	1772.40
784	1859.60	1764.60	824	1867.60	1772.60
785	1859.80	1764.80	825	1867.80	1772.80
786	1860.00	1765.00	826	1868.00	1773.00
787	1860.20	1765.20	827	1868.20	1773.20
788	1860.40	1765.40	828	1868.40	1773.40
789	1860.60	1765.60	829	1868.60	1773.60
790	1860.80	1765.80	830	1868.80	1773.80

Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz	Number of channel	Base station transmission frequency, MHz	Mobil station transmission frequency, MHz
831	1869.00	1774.00	859	1874.60	1779.60
832	1869.20	1774.20	860	1874.80	1779.80
833	1869.40	1774.40	861	1875.00	1780.00
834	1869.60	1774.60	862	1875.20	1780.20
835	1869.80	1774.80	863	1875.40	1780.40
836	1870.00	1775.00	864	1875.60	1780.60
837	1870.20	1775.20	865	1875.80	1780.80
838	1870.40	1775.40	866	1876.00	1781.00
839	1870.60	1775.60	867	1876.20	1781.20
840	1870.80	1775.80	868	1876.40	1781.40
841	1871.00	1776.00	869	1876.60	1781.60
842	1871.20	1776.20	870	1876.80	1781.80
843	1871.40	1776.40	871	1877.00	1782.00
844	1871.60	1776.60	872	1877.20	1782.20
845	1871.80	1776.80	873	1877.40	1782.40
846	1872.00	1777.00	874	1877.60	1782.60
847	1872.20	1777.20	875	1877.80	1782.80
848	1872.40	1777.40	876	1878.00	1783.00
849	1872.60	1777.60	877	1878.20	1783.20
850	1872.80	1777.80	878	1878.40	1783.40
851	1873.00	1778.00	879	1878.60	1783.60
852	1873.20	1778.20	880	1878.80	1783.80
853	1873.40	1778.40	881	1879.00	1784.00
854	1873.60	1778.60	882	1879.20	1784.20
855	1873.80	1778.80	883	1879.40	1784.40
856	1874.00	1779.00	884	1879.60	1784.60
857	1874.20	1779.20	885	1879.80	1784.80
858	1874.40	1779.40			