

iBurst classified as 3.9G equipment in Russia

Kyocera has announced that iBurst, its 3.9G wireless broadband system, has been granted a Certificate of Conformance by the Russian Certification Authority (ANO OSSET), effective September 14, 2007.

The Certification declares that iBurst equipment, standardised as HC-SDMA by ANSI/T1P1, complies with the rules for radio access equipment for wireless transfer of data within the 30MHz-66GHz range, as prescribed by the Russian Ministry of Information and Communication.

Prior to this certification, wireless access equipment had been granted the frequency band of 1787.5MHz to 1802.5MHz by the Russian State Frequency Management Commission (SFMC).

The iBurst base station has reportedly been classified as 3.9G equipment due to its high spectrum efficiency, which reaches a maximum of 7.3bps/Hz(a), as compared to 0.7 to 2.0bps/Hz(a) for 3.5G systems such as HSDPA.

The iBurst system requires a frequency band of 5MHz for the total throughput of 32 Mbps; therefore, a maximum of three iBurst service operators can co-exist in each service area using the 15MHz band from 1787.5MHz to 1802.5 in Russia.