Samsung, NXP & T3G Announce Multi-Standard Phone with SDR Technology

NXP, Samsung and T3G jointly announce the world's first TD-SCDMA HSDPA/GSM multi-mode mobile handset. Powered by a software-defined modem capable of achieving data transfer rates of 2.8 Mb/s, the Samsung SGH-T578H enables about 20 times faster transfers than GPRS, allowing consumers to download several high-quality MP3 files in less than a minute. The phone is based on the T3G7210 system solution featuring the industry's first soft modem empowered by NXP's Embedded Vector Processor (EVP) to achieve high data transfer and multi-mode capability.

The unique thing about this phone is its ability to support multiple standards and multiple platforms with high data rate capability. This phone finally makes software-defined radio (SDR) a reality for the mobile phone industry &#151 this is something that has only been talked about conceptually up until now. NXP's EVP architecture allows Samsung to deal with possible changes in standard or operator requirements. Overall, this technology highlights another solution for allowing mobile phone makers to offer more commercialized handsets with a broad scope of 3G multimedia applications across a wide range of mobile standards and platforms.

TD-SCDMA network deployments have been completed in 10 major cities across China where there are more than 70 million potential subscribers. This network is planned to be upgraded to support Release 5 (HSDPA) of the TD-SCDMA standard during the course of 2008. With the Samsung SGH-T578H mobile phone, users will be able to enjoy the widespread deployment of TD-SCDMA infrastructure to support high-speed streaming of multimedia coverage of the Beijing Olympics 2008. With this new milestone reached by Samsung, NXP and T3G, the TD-SCDMA standard is rapidly progressing towards the current W-CDMA capabilities.

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