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**Press release**

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## Korean 4G technologies become international standards

On January 18, 2012, the Radio Research Agency (Director General Cha-Sik Lim) of the Korea Communication Commission announced that international standards (ITU-R M.[IMT.RSPEC]\*\*) for 4G (IMT-Advanced\*\*) technology were finalized at the ITU (International Telecommunication Union) Radiocommunication Assembly\* held in Geneva, Switzerland from January 16th to the 20th.

\* RA-12 : Radiocommunication Assembly 2012

\*\* Official names for 4G recognized by the ITU include LTE-Advanced and WiBro Evolution; this generation of wireless communication technology supports 100Mbps transmission speed while on the move, and 1Gbps while stationary

\*\*\* Detailed specifications of the terrestrial radio interfaces of the International Mobile Telecommunications-Advanced (IMT-Advanced radio interface standard)

In the past decade, Korean IT representatives attended more than 120 4G standardization meetings of the ITU, IEEE, 3GPP\* and regional standardization organizations in an effort to make our technology an international standard. As a result, many of our technologies became

part of the international mobile communication 4G standards confirmed at the Radiocommunication Assembly.

\* 3GPP (3rd Generation Partnership Project): LTE communication technology standardization organization. 12 domestic corporations including Samsung Electronics, LG Electronics, ETRI, KT, SKT, LGU+, and Pantech are participating in 3GPP.

※ Korean companies share at least 30% of the core LTE-Advanced patents. (source: Forbes Magazine)

IMT-Advanced provides an environment in which ultra-HD video and 3D contents can be used in real time on mobile devices regardless of time and place, and if it becomes commercialized in 2015, the sales of Korean companies in related areas are expected to exceed KRW350 trillion over a period of 5 years.

※ References

① LTE market status and forecast, Electronics and Telecommunication Trends Volume 26, issue #4, August 2011.

② WiBro market status and forecast, Electronics and Telecommunication Trends Volume 26, issue #4, August 2011.