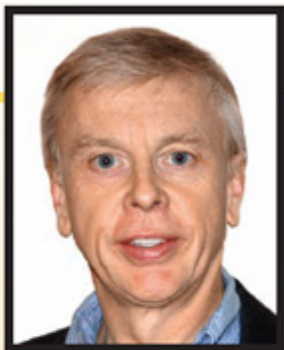




The Wireless Handset Revolution Continues

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The release of the much-anticipated Apple iPhone and LG Voyager, and rumors of an impending gPhone from Google, coupled with speculation about bidding in the upcoming auction of the 700MHz TV spectrum, have re-energized interest in mobile handsets in a way not seen since Motorola launched the trend-setting RAZR. Short-range connectivity capabilities such as Bluetooth® and WiFi are being integrated into handsets. The first moves to higher data rate 4G services are being heralded by Sprint-Nextel and Clearwire's rollout of a mobile WiMAX network and the evolution path of the WCDMA/HSUPA world to 4G LTE (Long Term Evolution) is being charted by 3GPP. Today's phones can do everything from surf the web and share photos and music to provide verbal GPS-based directions and serve up mobile TV. Given the press coverage focused on features such as touch screens, visual voicemail and unlimited data, one could hardly be blamed for thinking the days of simple single-purpose telephones are long gone.

Yet with all of the growth at the high end, there still exists, and in fact thrives, a market for entry-level phones. In markets lacking the infrastructure to deliver traditional fixed phone service, mobile phone use is exploding. Numerous handset manufacturers are offering what they call ultra-low cost (ULC) handsets to meet the demand in emerging markets ranging from Egypt to India to South Africa.

ABI Research, in its report "Ultra Low-Cost Handsets," estimates that the global market for ultra low cost handsets will be more than 330 million units in 2011, or one in every four mobile handsets shipped worldwide.

This growth at both ends of the buying spectrum has led phone manufacturers to seek modular RF solutions as a means to deliver the wide array of new phones necessary to compete in today's global market. There are several benefits of RF modules. Modules reduce design time and eliminate the need for additional testing between discrete components, thus saving precious design time and speeding overall time to market. Additionally, modules take up less PC board space, allowing phone manufacturers to include more features in thinner and lighter form factors. This trend emphasizes the importance of the front-end vendor having in-house manufacture of the key GaAs, SAW and BAW technology coupled with a close working relationship with a silicon partner. Strategy Analytics estimates the GaAs market will grow to \$5 billion by 2011.

Regardless of the type of phone they use, all consumers want phones with a long battery life. This, in turn, leads phone manufacturers to seek out more efficient RF devices. At the high end of the market, greater efficiency allows phone vendors to add more functionality. At the low end, improved efficiency enables the use of smaller, less expensive batteries. GaAs HBT power amplifiers address this efficiency issue with a proven track record of reliability in mobile handsets. A typical HBT PA module has three different output power modes, helping to reduce current for enhanced efficiency when operating at less than full power, the predominant mode of handset operation. Today's front-end building blocks give handset makers the flexibility to customize their phone models for specific geographic regions.

TriQuint offers ODMs three established families of simple-to-use radio front-end building blocks: HADRON PA Modules™, QUANTUM Tx Modules™ and TRITIUM PA-Duplexer Modules™. Each product family is aligned and fully tested with the world's leading suppliers of RF transceivers and baseband ICs. TriQuint plans to announce new additions in February 2008 at the GSM World Congress in Barcelona.

In 2007, cellular phone shipments will exceed 1 billion units for the first time. Growth in the future will happen at both ends of the market; from untethered high-data-rate multimedia handsets operating over WEDGE networks to explosive growth in first time cellular service in the ULC emerging market. Whether a new phone

is used by a first-time caller in a previously un-served market, or by a power-user in a developed country, the handset industry will continue to drive technological advances and innovative designs.