

PXA Signal Analyzer Delivers Up to 140 MHz Analysis Bandwidth



Agilent Technologies announced an LTE test solution that combines the Agilent 89600 VSA LTE FDD and LTE TDD analysis software with the performance of the Agilent X-Series, the Agilent N9030A PXA signal analyzer. The PXA's RF performance supports both LTE FDD and LTE TDD. It delivers up to 140 MHz analysis bandwidth and up to 75 dB of spurious-free dynamic range with typical flatness of ± 0.4 dB, making it an appropriate for 3G, 4G and beyond. LTE Advanced, one of the standards candidates for true 4G mobile broadband systems, will extend LTE to even wider bandwidth, up to 100 MHz, making the PXA suitable for customers transitioning from 3G to 4G. The PXA's bandwidth allows multi-carrier signal analysis as well as analysis and troubleshooting of the digital-predistortion (DPD) techniques applied to power amplifiers used in advanced wireless technologies such as LTE. Using the PXA's unique simultaneous 140 MHz-wide bandwidth, with up to 75 dB of spurious-free dynamic range, users can capture higher-order intermodulation products, up to seventh order for 20 MHz LTE systems, for characterization of power amplifiers using DPD techniques.

Agilent Technologies

877-424-4536, www.agilent.com [1]

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