



OPTICHRON®

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FOR IMMEDIATE RELEASE

**Optichron® and NXP Deliver Next-Generation Basestation
Transmit Solution Producing 60 MHz Signal Bandwidth and 49%
PAE, for Any Protocol**

*Application Note Describes Use of Optichron DPD IC with NXP Latest LDMOS Devices in 1.8
GHz Single Transmit Path Supporting All 2G, 3G and 4G Protocols*

FREMONT, Calif. – May 24, 2010 – Optichron, Inc., the leader in digital nonlinear signal processing, today announced that the Company and NXP Semiconductors have completed efforts combining Optichron's latest OP6180 Digital Pre-Distortion IC with NXP's latest-generation BLF7G20LS LDMOS transistors in a Doherty Power Amplifier (PA) that delivers over 50 dBm of transmitted power and supports all 2G, 3G and 4G protocols. The BLF7G20LS-200 1.805 to 1.88 GHz RF PA delivers up to 60 MHz of fully occupied signal bandwidth with power added efficiency (PAE) up to 49.5%.

Optichron and NXP have published an application note, *BLF7G20LS-200 Doherty 1.805-1.88 GHz RF Power Amplifier*, with performance details and a description of how to implement the PA using the available tools from NXP and Optichron. The application note depicts a single 1.8 GHz transmit path capable of supporting GSM Class 1 or Class 2, WCDMA and LTE protocols with up to 60 MHz of Signal bandwidth and up to 49.5% PAE.

To obtain a copy of the application note or for more information on Optichron's OP6180 DPD IC, please click the link to email Dane Elliot: [Optichron info](#), or contact by telephone at +1 (510) 249 5227.

About Optichron

Optichron, Inc., the leader in digital nonlinear signal processing technology, designs and manufactures high-volume integrated circuits that enable significant improvements in system-level cost and performance for communications applications. Optichron® proprietary linearization technology is the industry's most efficient solution for correcting nonlinear distortion, a problem present in all signal processing systems. Signal linearization gives system designers more headroom to implement faster, more efficient systems that cost less to build and operate. For more information and product details please visit www.optichron.com.

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