



PRESS RELEASE

Coupling Wave Solutions (CWS) Supports TSMC RF RDK Version 3.0

GRENOBLE — (31st May, 2011) —Coupling Wave Solutions S.A. (CWS) today announced its WaveIntegrity™ Noise Coupling Analysis supports TSMC RF Reference Design Kit 3.0 (RF RDK) targeting TSMC 65nm process.

WaveIntegrity identifies aggression between digital and analog blocks, and for analog-to-analog aggression. WaveIntegrity provides the capability to simultaneously analyse noise components propagating not just through the substrate, but also the interconnect and the package. The noise contribution, levels and transfer functions between the blocks are all clearly identified and displayed. In one tool, IC integrators, architects and analog/RF IP designers can check for noise propagating via multiple paths, across the entire IC/SoC.

“Noise coupling in MS/RF designs is a growing issue, particularly as both IP and design methods are migrated to the more advanced and smaller nodes,” said Suk Lee, director of Design Infrastructure Marketing at TSMC. “Through close collaboration to build a complete design infrastructure for RF designs, we are pleased that the extensive analysis capabilities of WaveIntegrity are now available to our joint customers as demonstrated in the RF RDK.”

“We want to enable our joint customers to analyse and avoid the complex noise coupling issues that beset MS/RF designs, while reducing the need for overly conservative design practices,” said Briec Turluche, CEO of Coupling Wave Solutions. “These capabilities are critical in quickly

identifying noise coupling problems seen in silicon, and not just with SNA, but including the other critical components of interconnect and package/PCB analysis. They are essential in helping locate and answer potential noise issues, both before tapeout and even earlier in the design process.”

About Coupling Wave Solutions

Coupling Wave Solutions has developed a solution for avoiding noise-related problems in integrated circuit (IC) design. Its WaveIntegrity platform dramatically reduces the impact of noise when combining analog or RF and digital blocks in a single die or in a system in package (SiP). For more information, visit the Coupling Wave Solutions website www.cwseda.com or email to info@cwseda.com.

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