Identification of Resonant Switch

Resonant Switch Identification Examples
ZVS-MR Buck

Operating Modes

Multi-Resonance
RF Amplifiers

Fig. 1. General structure of the proposed dc-dc converter.

Class-E Amplifier

Fig 2—Schematic of a low-order Class-E amplifier.

Fig 3—Actual transistor voltage and current waveforms in a low-order Class-E amplifier.
Class $\Phi_2$ DC-DC Converter

J. M. Rivas, O. Leitermann, Y. Han, A. D. Sagneri, and D. J. Perreault, “A High-Frequency Resonant Inverter Topology With Low-Voltage Stress”, 2008