

## **352-MHz Solid State RF Power System Development at the Advanced Photon Source**

*Thursday 6 May 2010 10:00 (30 minutes)*

An investigation into the feasibility of utilizing solid-state rf power systems to replace the existing 352-MHz klystron-based rf power systems for the Advanced Photon Source booster and storage ring rf systems was started. Data from tests conducted on a dual-transistor/single-package LDMOS device capable of 1kW CW rf output at 352MHz will be discussed. Design details and test data for a four-port combiner will be presented.

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**Session Classification:** Solid State Amplifiers