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## The Advanced Photon Source RF Systems – Performance and Upgrades, 2012-2014

*Wednesday, 14 May 2014 10:00 (30 minutes)*

Technical performance of the Advanced Photon Source rf systems from May 2012 to May 2014 is discussed. Significant hardware problems and failures affecting rf system reliability, and approaches taken to resolve them, are described in detail. System upgrades to enhance performance and reliability are described. The design and construction details of a 5kW S-band cw amplifier developed for the APS Upgrade effort will be presented.

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