Abstract Submitted for the TSF12 Meeting of The American Physical Society

Investigation of thermal transmission across AlN/Si boundaries¹ ELIZABETH CARLISLE, ADAM SIMPSON, TIM HEAD, Abilene Christian University — We investigate transmission of non-equilibrium ballistic phonons generated in a Cr absorption layer across 1 micron c-axis oriented AlN films and the interface with (111) oriented Si substrates. Using phonon imaging techniques we verified good thermal conductance across the AlN/Si interface.

¹This work was funded by ACU Office of Undergraduate Research and ACU Engineering and Physics Dept.

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Date submitted: 21 Sep 2012 Electronic form version 1.4