

# **A High Temperature Wideband Power Amplifier for a Downhole Communication System**

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in  
partial fulfillment of the requirements for the degree of

**Master of Science  
In  
Electrical Engineering**

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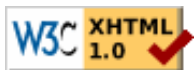
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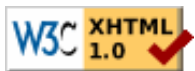
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