

London South Bank University

Independent Testing of the Radiator Squirrel



Authors

Mr. Metkel Yebiyo and Dr Issa Chaer

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Executive Summary

This report presents the methodology and results from an independent test and evaluation of a new aluminium metal plate invention called Radiator Squirrel. This product has been developed by Energy Squirrel Ltd and is the subject of UK patent ref: GB1422435.6. The component is a radiator attachment designed to fit on a conventional steel panel radiator with the aim of enhancing the heat output from the radiator thus providing heat to a cold room quicker compared to a radiator without the attachment. The tests were conducted at London South Bank University (LSBU) under the Innovate UK voucher funding and findings and analysis presented in this report are based on the agreed test options originally submitted in the original proposal dated 23rd February 2015 and subsequent email correspondence during the project.

The result of the examination provided evidence that the energy savings as a result of introducing the Radiator Squirrel plate is approximately 11.5 %. The findings have also shown that heating time as a result of the introduction of the plate was shorter than that without the plate. Thus the response time to heat an environment is better with the Radiator Squirrel. This improved response time may be used to achieve additional energy savings by allowing the heating system to be turned on later and to still achieve the desired temperature at the required time.