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## Thermal Qualification of Precision Systems

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### Abstract

Thermal qualification of a temperature conditioned heat shield for a precision motion system has been done using modelling and measurement tools at MI-Partners. Thermal qualification enables determination of thermal system performance without stringent demands on environmental conditions. It combines frequency domain modelling techniques with measurements on a real system in order to quantify thermal performance. It has shown to be an effective tool, enabling simple but accurate approval of thermal systems.

Thermal Qualification, Frequency domain, system approval

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