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## Low Voltage Case Study

### Low Acoustic Noise Power Solution for Medical Imaging Application

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#### **Challenge**

The system required a power solution that delivered multiple outputs with enough power capacity to meet the demand of the graphical processing unit used in the end system. Low acoustic noise and the ability to meet the latest and emerging safety and EMI requirements for medical equipment were also required.

#### **Solution**

The team worked with the customer engineering group to characterize the [UtiMod](#) performance in the system, with only system generated air flow (no fans on the power supply). Our engineering team used its expertise to recommend a system fan with appropriate air flow ducting.

#### **Benefits**

The ability to parallel modules to provide high power for the GPU even when the most intensive graphical benchmarking program was in operation, ensured the system could deliver exceptional performance and images. The extensive characterization and applications engineering support ensured system performance, with exceptionally low acoustic level.