# AM62P Power Estimation Tool



#### **ABSTRACT**

The Excel based AM62P Power Estimation Tool allows users to estimate thermal power based on specified loadings for different components (compute cores and peripherals) of the system-on-chip (SoC). The tool allows the user to pre-populate the various fields (which components are used, and utilization of the major components) from a set of representative use cases. This gives a starting point from which a new use case can be customized to judge the power and loadings of their own use case. The tool provides a breakdown of thermal power at the junction temperature (Tj) entered. The loadings represent the average activity over a duration of seconds or minutes.

#### Note

Power Estimation Tool generated estimates should not be used for power supply sizing.

Download the tool described in this document from: https://www.ti.com/lit/zip/sprujd9.

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#### 1 How to Use the Tool

The tool has two pages:

- Use Case: The Use Case sheet contains components which the user configures to match the desired use case and corresponding power estimate.
- Results: The Results sheet starts blank at initial tool launch and is populated with resulting power information from the Use Case inputs after the 'Calculate' button has been pressed.



How to Use the Tool www.ti.com

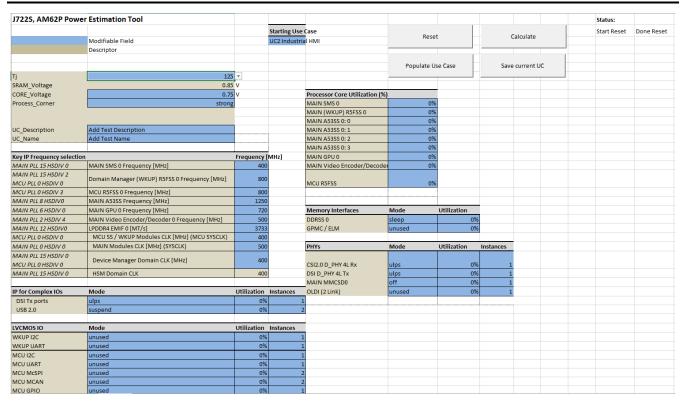


Figure 1-1. Example Use Case Sheet

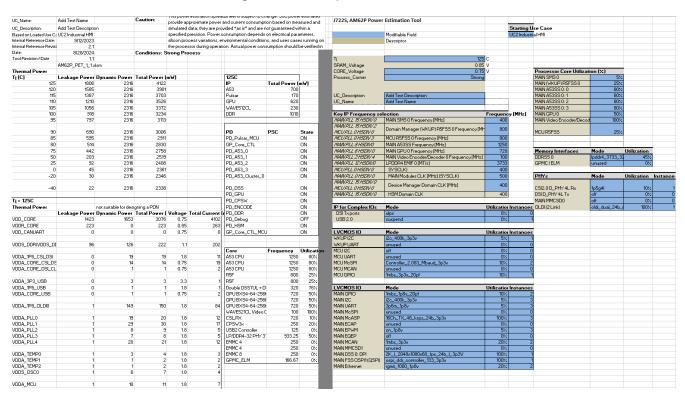


Figure 1-2. Example Result Sheet

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