

**ATI comments on the Final Draft Version 4.0 ENERGY STAR Computer  
Specification  
10/12/06**

Category C: To qualify under Category C desktops must have):

- Multi-core processor(s) or greater than 1 discrete processor; and
- A GPU with greater than 128 megabytes of dedicated, non-shared memory.

In addition to the requirements above, models qualifying under Category C must be (To be changed to CAN BE) configured with a minimum of 2 of the following three characteristics:

- Minimum of 2 gigabytes of system memory;
- TV tuner (To be replace by “Over the air TV tuner”) and/or video capture capability with high definition support; and/or
- Minimum of 2 hard disk drives.

Rational for the change to EPA

- 1- Given the available information on today CPU products, the idle power of dual CPU or more than discrete CPU and the rest of the system (chipset, 1/2 gigabytes memory, DVD, HD, Power Supply) will consume the most allocated idle power budget of category C. This will not give a chance except to add main stream graphic products.
- 2- Putting condition that the system will be qualified under C-group must have extra features, this will not give a room to accommodate the Idle power of the GPU
- 3- Therefore, the word MUST should be replaced by CAN or SHOULD. This will not enable the system to have the GUP otherwise; it will kill its chance to be in the system.
- 4- Furthermore, the definition of the TV Tuner can be misleading must be combined with TV. The reasons for that are
  - a. First, the term “TV tuner” should be changed to “Over the air TV tuner”. Digital satellite tuner or digital cable tuners will never fit within the same power budget as an over the air TV tuner.
  - b. Second, TV tuners have a power vs. reception performance tradeoff. In general, more power provides better reception performance. This can lead to a power hungry device

- c. In case that we would like to add the TV Tuner as absolute term in the spec, EPA-Computer spec, May need to consult with the EPA-consumer Electronic which address the TV energy start to take a clear input on the level of power that we may need to be budget in category C. Please note In the U.S. the FCC has mandated that by March 1, 2007 all TV receivers (including those sold in PCs and TV tuners manufactured for retail) must be capable of receiving digital television (8-VSB) transmissions. Therefore, it is recommend that measurement of the amount of power that an HDTV Wonder draws while receiving a signal with nominal impairments found indoors need to be done, if we need to include the term TV Tuner.