## CURRENT CONSUMPTION

These measurements were taken under the following conditions:

- Primary 5V PCI Bus Speed = 33 MHz
- $I_{Vcc}$ = Current drawn by Vcc=3.3V with regulator enabled (normal operation)
- $I_{Vcc\text{-}noreg}$ = Current drawn by Vcc=3.3V with regulator disabled and external 2.5V provided
- $I_{Vcore\text{-}noreg}$ = Current drawn by Vcore=2.5V input with regulator disabled and external 2.5V provided
- R2 = Toshiba 2 GB Hard Drive (MK20010)
- CB = Adaptec 1480B SCSI (1480B) with external hard drive
- Idle = Card inserted but not actually transferring a file
- Active = Card inserted and transferring file
- No PCI clock situation is created by putting PCI1510 EVM behind a P2P bridge and stopping PCLK.
- * = small amount of current not able to measured by equipment (< 100uA)
- Max power measured while Vcc=3.6V (max operating) during CB active = 23.5 mA

| *Power State* | *Condition* | *$I_{Vcc}$ [mA]* | *$I_{Vcc\text{-}noreg}$ [mA]* | *$I_{Vcore\text{-}noreg}$ [mA]* |
|---|---|---|---|---|
| *D0* | *No card* | *4.1* | * | *4.0* |
| | *R2 idle* | *4.5* | * | *4.0* |
| | *R2 active* | *12.1* | *5.3* | *4.7* |
| | *CB idle* | *10.8* | *3.0* | *6.1* |
| | *CB active* | *20.3* | *11.1* | *7.3* |
| *D1* | *No card* | *2.2* | * | *2.2* |
| | *R2 idle* | *2.4* | * | *2.2* |
| | *CB idle* | *6.7* | *3.0* | *2.3* |
| *D2* | *No card* | *1.8* | * | *1.6* |
| | *R2 idle* | *1.9* | * | *1.7* |
| | *CB idle* | *1.9* | * | *1.7* |
| *D3hot* | *No card, no PCI clock* | * | * | * |
| | *No card* | *1.6* | * | *1.6* |
| | *R2 idle* | *1.7* | * | *1.7* |
| | *CB idle* | *1.7* | * | *1.7* |