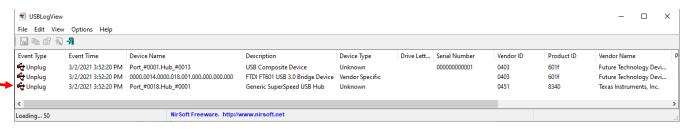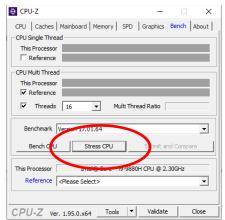**Problem Statement:**

The USB 3 Hub inside the USB3 DMD occasionally drops from Windows as shown below:

1. This can be replicated on the test bench by running a free program called CPU-Z in "Stress CPU" mode.

2. When tested this way, the problem happens withing a few minutes with the BSN0011 Berkcom PC with a K1200 or P1000 GPU card. It also happens without a GPU card with the USB connected to the motherboard but seems less frequent. The USB dropout also occurs with the Dell 3430 with a GPU card, but seems to fail less frequently.
3. The signal VBUS going low usually is what causes an USB Unplug event when the USB cable is disconnected. However, on the test bench, the critical VBUS signal does not go low or have any noise.
4. This also happens when using the TI reference design (PN: TUSB8044AEVM) so this indicates a problem with the hub chip.