Moore’s Law By Definition

1. Number of transistors on chip doubles every 2 years.
2. Growth of microprocessors is exponential
3. Computers becomes smaller, faster and cheaper with time as transistors on chips become more efficient

Compatibility to latest trend:

1. There is limited real estate on chip that transistors cannot double every 2 years as it got saturated over time. There is power consumption that grows and that requires more fans adds more power consumption.
2. Temperature grows as power grows and adds requirement for more fans.
3. Voltage scaling reduces power consumption
4. Voltage scalling cannot prevent leakage of power hence cannot stop power loss.
5. Volate scaling is limited as there is always some noise