

How can my CPU be running faster than the maximum speed?

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A customer observed that according to Task Manager, their CPU was running faster than the maximum speed. *How is that even possible?*

Utilization	Speed	Maximum speed:	2.50GHz
66%	2.90GHz	Sockets:	1
		Cores:	2

The processor's maximum speed is 2.50GHz, but it's running at 2.90GHz? I know that athletes give 110% effort, but this processor is giving 116%!

This is a feature of Intel Turbo Boost Technology 2.0, which runs a processor above its rated frequency if they are “operating below power, current, and temperature specification limits.”

To me, this sounds like the CPU can dynamically overclock itself.

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